City of Aurora
Building Codes Division
15151 E Alameda Pkwy
Aurora, CO 80012
(303) 739-7420

Notice

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NEURO CLINIC OF COLORADO LLC

1400 SOUTH POTOMAC STREET

ABBREVIATIONS

AP	ACCESS PANEL
ACT	ACOUSTICAL TILE
AWT	ACOUSTICAL WALL TREATMENT
ADJ	ADJUSTABLE
A/C	AIR CONDITIONING
APPROX	APPROXIMATE
A/V	AUDIO-VISUAL
AUTO	AUTOMATIC
AVG	AVERAGE
BLK(G)	BLOCK(ING)
BD	BOARD
BC	BOOKCASE
BLDG	BUILDING
CAB	CABINET
CP	CARPET
CLG	CEILING
CL	CENTER LINE
C/C	CENTER TO CENTER
CT	CERAMIC TILE
CLR	CLEAR
CLO	CLOSET
CW	COLD WATER
CWS	COLD WATER SUPPLY
COL	COLUMN
COMB	COMBINATION
CONN	CONNECT(ION)
CJ	CONSTRUCTION JOINT
CONT	CONTINUOUS
CONTR	CONTRACTOR
CONST	CONSTRUCTION
D	DEPTH
DET	DETAIL
DIAG	DIAGONAL
DIA	DIAMETER
DIM	DIMENSION
DW	DISHWASHER
DISP	DISPENSER
DISTR	DISTRIBUTION
DIV	DIVISION
DR	DOOR
DN	DOWN
DWG	DRAWING
EA	EACH
EDF	ELECTRIC DRINKING
ELEC	ELECTRIC(AL)
EL	ELEVATION
ELEV	ELEVATOR
ENCL	ENCLOSURE
EQ	EQUAL
EQUIP	EQUIPMENT
EXIST(E)	EXISTING
EXP	EXPOSED
FA	FABRIC
FAB	FABRICATION
FTP	FABRIC TACK PANEL
FWC	FABRIC WALLCOVERING
FT	FEET/FOOT
FIN	FINISH(ED)
FF	FINISHED FLOOR
FE	FIRE EXTINGUISHER
FP	FIRE PROOF(ING)
FL	FLOOR
FD	FLOOR DRAIN
FLUOR	FLUORESCENT
FUT	FUTURE
GA	GAGE/GAUGE
GALV	GALVANIZED
GC	GENERAL CONTRACTOR
GL	GLASS
GND	GROUND
GYP BD	GYPSUM WALLBOARD
HCP	HANDICAPPED
HDW	HARDWARE
HDWD	HARDWOOD
HVAC	HEATING, VENTILATING & AIR CONDITIONING
HGT/H/HT	HEIGHT
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HC	HOLLOW CORE
INCAND	INCANDESCENT
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR
JT	JOINT
J-BOX	JUNCTION BOX
LAM	LAMINATE(D)
LAV	LAVATORY
LH	LEFT HAND
LF	LINEAR FOOT
LG/L	LONG/LENGTH
MFR	MANUFACTURER
MAX	MAXIMUM
MECH	MECHANICAL
MTL	METAL
MISC	MISCELLANEOUS
NRC	NOISE REDUCTION
NOM	NOMINAL
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
NO	NUMBER
OFF	OFFICE
OC	ON CENTER
OPP	OPPOSITE
PA/PNT	PAINT
PTD	PAINTED
PED	PEDESTAL/STAND
PLAM	PLASTIC LAMINATE
PLYWD	PLYWOOD
LB(S)	POUND(S)
PVC	POLY VINYL CHLORIDE
PSI	POUNDS PER SQUARE INCH
QTY	QUANTITY
RECEP	RECEPTION
RE	REFER/REFERENCE
REFL	REFLECTED
REQD	REQUIRED
REV	REVISION
RH	RIGHT HAND
RM	ROOM
SCHED	SCHEDULE(D
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SC	SOLID CORE
S	SOUTH
SPEC	SPECIFICATION/SPECIAL
SQ	SQUARE
SS	STAINLESS STEEL
STD	STANDARD
STL	STEEL
ST	STONE
STOR	STORAGE
STRUC	STRUCTURAL/STRUCTURE
SURF	SURFACE
SUSP	SUSPENDED
TB	TACKBOARD
TEL	TELEPHONE
TEMP	TEMPERATURE
TYP	TYPICAL
UL	UNDERWRITER'S LABORATORY
UNO	UNLESS NOTED OTHERWISE
UTIL	UTILITY
VERT	VERTICAL
VAT	VINYL ASBESTOS TILE
VCT	VINYL COMPOSITION TILE
VWC	VINYL WALL COVERING
WC	WATER CLOSET
WGT/WT	WEIGHT
W	WIDTH/WEST
W/	WITH
W/O	WITHOUT
WD	WOOD/WOOD VENEER
YD	YARD

REFERENCE SYMBOLS

- (X) KEYED NOTE
- (X) DOOR IDENTIFICATION
- 1 / A1.0 SECTION IDENTIFICATION
- 1 / A1.0 ELEVATION IDENTIFICATION
- OFFICE / 100 ROOM NAME AND NUMBER
- EXIST. 9'-0" CLG TO REMAIN CEILING ELEVATION/IDENTIFICATION
- 1 SCALE LEVEL ONE PHASE II DEMOLITION PLAN 1/8"=1'-0" DRAWING TITLE/DETAIL NUMBER/SCALE
- PLAN NORTH NORTH SYMBOL
- VCT-1 FINISH IDENTIFICATION
- 1 REVISION IDENTIFICATION

DRAWING INDEX

A0 COVER SHEET
A0.1 NOTES

ARCHITECTURAL

A1 DEMOLITION PLAN, CONSTRUCTION PLAN,
A2 DOOR SCHEDULE, DOOR SCHEDULE PLAN, FINISH PLAN, FINISH SCHEDULE
A3 REFLECTED CEILING PLAN, POWER AND COMMUNICATIONS PLAN, WALL DETAILS
A4 DETAILS/ ELEVATIONS

MECHANICAL

2M1.1 MECHANICAL NOTES, LEGEND AND SCHEDULES
2M2.1 MECHANICAL PLAN

PLUMBING

2P1.1 PLUMBING NOTES, LEGEND AND SCHEDULES
2P2.1 PLUMBING PLAN

ELECTRICAL

E0.1 ELECTRICAL NOTES, LEGEND
E0.2 LIGHTING SCHDULES, ONE-LINE DIAGRAM
E1.1 DEMO POWER PLAN, POWER PLAN
E2.1 EXISTING LIGHTING PLAN, LIGHTING PLAN

PROJECT TEAM

DESIGNER / SPACE PLANNER

ADVANCED PLANNING SOLUTIONS, LLC
13181 PENNSYLVANIA STREET
DENVER, COLORADO 80241

CONTACT: MICHAEL HAIDER
Phone: 303.817.4464
FAX: 866.728.8424
email: mhaider.aps12@gmail.com

PROJECT ARCHITECT

NNL ARCHITECTURE PLLC
8520 CLARABELLE DRIVE
ARVADA, COLORADO 80002

CONTACT: ED LUCERO
PHONE: 303.564.6057
email: elucero@nnlarch.com

TENANT

NEURO CLINIC OF COLORADO LLC
1444 SOUTH POTOMAC STREET, SUITE 200
AURORA, CO 80012

CONTACT: DR. SIMON OH & DR. JONATHAN SCOTT
Phone: 720-985-7276
email: Jonathan.Scott@healthonecares.com

BUILDING MANAGEMENT

HCA-HEALTHONE LLC/CBRE
730 POTOMAC STREET, SUITE 116
AURORA, COLORADO 80011

CONTACT: NICOLE BUDLONG / CRISTA COHEN
Phone: 303 360 3178
FAX: 303 360 3014
email: nicole.budlong@cbre.com/
crista.cohen@cbre.com

MECHANICAL ENGINEER

BA CONSULTANTS
234 COLUMBINE STREET, SUITE 201
DENVER, CO 80206

CONTACT: BRAD ALM
OFFICE: 303.322.1212
email: b.alm@ba-consultantsinc.com

ELECTRICAL ENGINEER

KAZIN AND ASSOCIATES INC
9364 TEDDY LANE SUITE #101
LONE TREE, CO 80124

CONTACT: BRYAN KAZIN
OFFICE: 720.489.1609
email: bkazin@dmka.com

CODE INFORMATION

BUILDING CODE SUMMARY

Building:	1400 SOUTH POTOMAC AURORA, COLORADO 80012

CODE JURISDICTIONS

Building	CITY OF AURORA
Fire	CITY OF AURORA

CODE SUMMARY

Architectural	2009 IBC
Mechanical	2009 IMC
Electrical	2011 NEC
Fire Protection	2009 IFC
Plumbing	2009 IPC
Energy Code	2009 IECC
Fuel Gas Code	2009 IFGC

BUILDING INFORMATION

Number of stories:	TWO
Construction Type:	TYPE 1-A
Fire Protection:	Fully Fire Sprinklered
Use/occupancy classification	Group B

TENANT USABLE / TENANT RENTABLE SQUARE FOOTAGE

LIMIT OF REMODEL 2,071 USF

TOTAL: 2,071 SF / 100 = 21 OCCUPANTS
1 EXITS REQUIRED/ 2 EXITS PROVIDED

MEANS OF EGRESS LEVEL TWO

	REQUIRED	PROVIDED
NUMBER OF EXITS	1	2
EGRESS CLEARANCE WIDTH	32	72"
COMMON PATH OF TRAVEL	100'MAX	59'
EXIT ACCESS TRAVEL DISTANCE	300 MAX	129'

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Richard LaCoste*
Date: *Jul 23, 2013*
2006 INTERNATIONAL CODES & 2008 NEC

RSN: *731035*
Permit #: *13-676049*

APPROVAL

Tenant and Owner Approval

Construction work shall not proceed until the Owner and Tenant have given their approval to these working drawings. Approval by these parties shall be interpreted as approval of the drawings for content, scope of work and all dimensions regarded by either party as being necessary to their operations, use of space furnishes/equipment installation, and any agreements between the Owner and Tenant.

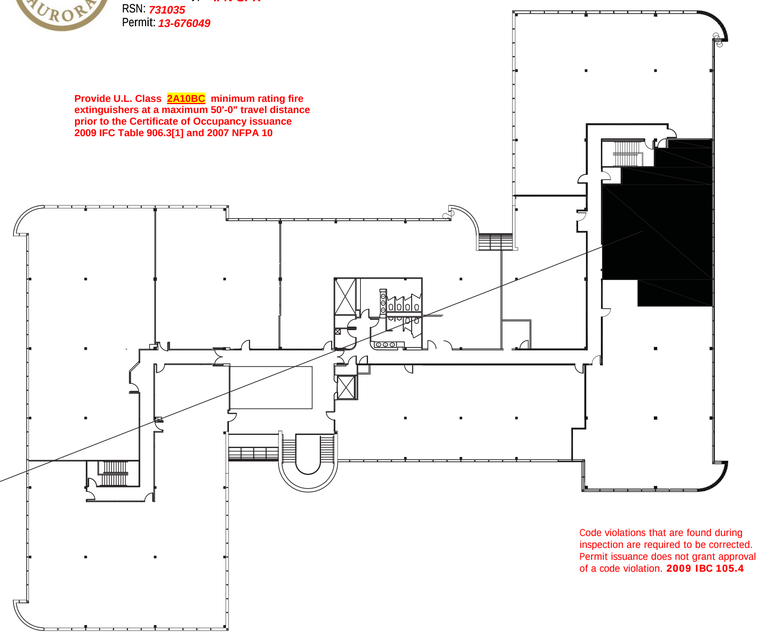
Construction and/or initiation of construction authorized by the Owner from these working drawings shall be interpreted by the Designer as approval in full of these working drawings by both the Owner and Tenant.

Tenant _____

Owner _____ Date _____

City of Aurora Building Division
Project: *NEURO CLINIC OF COLORADO*
Address: *1400 S. POTOMAC ST. #220*
Occupancy Group: *B*
Construction Type: *II-N-SPK*
RSN: *731035*
Permit: *13-676049*

Provide U.L. Class 2A10BC minimum rating fire extinguishers at a maximum 50'-0" travel distance prior to the Certificate of Occupancy issuance 2009 IFC Table 906.3[1] and 2007 NFPA 10



LIMIT OF CONSTRUCTION FOR
NEURO CLINIC OF COLORADO LLC

Code violations that are found during inspection are required to be corrected. Permit issuance does not grant approval of a code violation. **2009 IBC 105.4**

1 PROXIMITY PLAN
LEVEL TWO NO SCALE

PLAN NORTH TRUE NORTH

APS DESIGN & PLANNING
denver, colorado
p | 303.817.4464
mhaider.aps12@gmail.com

NNL ARCHITECTURE
8520 clarabelle dr arvada, co 8002
720.206.5189 www.nnlarch.com

STATE OF COLORADO ERIN H. LUCERO LICENSED ARCHITECT

NEURO CLINIC OF COLORADO LLC
1400 SOUTH POTOMAC STREET
AURORA, COLORADO 80012
LEVEL TWO SUITE 220

INTERNATIONAL COPYRIGHT LAWS PROHIBIT THE USE OF THESE DRAWINGS WITHOUT THE EXPRESS WRITTEN AUTHORIZATION OF THE ARCHITECT/DESIGNER. THE DESIGNS CONTAINED WITHIN THESE DOCUMENTS BOTH IN WHOLE AND IN PART ARE INTENTED FOR CONSTRUCTION AT THE ADDRESS LISTED ON THE TITLE BLOCK.

ISSUED FOR:
DATE: 7/5/13

SCHEMATIC DESIGN
DESIGN DEVELOP.
TEAM MEETING

PROJECT NO.1400-2003
DRAWN BY :MH/JG

TITLE:
COVER

SHEET NO:
A0

GENERAL NOTES

1. GENERAL NOTES:
   A. ALL GENERAL NOTES SHALL BE APPLICABLE TO ALL CONSTRUCTION ON ALL SHEETS UNLESS NOTED OTHERWISE.
   B. THROUGH THE USE OF THESE CONSTRUCTION DOCUMENTS, CONTRACTOR ACCEPTS ALL GENERAL CONDITIONS NOTED WITHIN.
   C. CONTRACTOR IS SOLELY RESPONSIBLE FOR REQUESTING ANY NECESSARY CLARIFICATIONS IN THE CONSTRUCTION DOCUMENTS, EXISTING CONDITIONS, AND/OR DESIGN INTENT PRIOR TO PROCEEDING. FAILURE TO DO SO WILL ENSURE THAT ALL COSTS FOR RECTIFICATION SHALL BE INCURRED ON THE PART OF THE CONTRACTOR.
   D. CONTRACTOR SHALL ENSURE THAT ALL WORK AND MATERIALS WITHIN THE PROJECT SCOPE BE IN FULL COMPLIANCE WITH ALL APPLICABLE CODES AND REGULATIONS WITHIN THE GOVERNING JURISDICTION.
   E. CONTRACTOR SHALL WARRANT ALL WORK FOR A PERIOD OF (1) YEAR OR THE CUSTOMARY WARRANTY FOR THE TRADE OR PRODUCT, WHICHEVER IS LONGER.
   F. CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE SCOPE AND LIMIT OF ALL REPAIRS AND RECONDITIONING OF EXISTING MATERIALS TO REMAIN IN ORDER TO BLEND WITH NEW MATERIALS AND COMPONENTS. APPROVAL SHALL BE OBTAINED FROM THE OWNER PRIOR TO THE START OF CONSTRUCTION.
   G. CONTRACTOR SHALL SUBMIT ALL REQUESTS FOR SUBSTITUTIONS IN WRITING TO THE OWNER. CONTRACTOR SHALL INCLUDE ANY ADDITIONAL PRODUCT INFORMATION. SUBSTITUTIONS SHALL NOT SACRIFICE QUALITY OR FUNCTION.
   H. REFERENCES:
      1) SEE ALL ENGINEERING AND/OR CONSULTANT DRAWINGS AND SPECIFICATIONS FOR ALL ADDITIONAL INFORMATION AND REQUIREMENTS.
   I. DIMENSIONS:
      1) FIELD VERIFY ALL DIMENSIONS AND BRING ANY DISCREPANCIES TO THE ATTENTION OF THE DESIGNER. DO NOT SCALE THE DRAWINGS.
      2) ALL WALLS SHOWN LOCATED ON A COLUMN CENTERLINE ARE CENTERED ON THE COLUMN CENTERLINE UNLESS NOTED OTHERWISE.
      3) ALL PARTITIONS ENGAGING EXTERIOR AND ATRIUM WINDOW WALLS ARE CENTERED ON THE MULLION.
      4) ALL PARTITIONS THAT EXTEND FROM EXISTING PARTITIONS ARE TO ALIGN WITH EXISTING CONDITIONS.
      5) WHEN UNDIMENSIONED PARTITIONS OCCUR IN CONJUNCTION WITH DOORS, THE DOOR WIDTH AND DOOR FRAME DETAILS DETERMINE THE LOCATION OF ADJACENT PARTITIONS AND FRAMES.
      6) ALL VERTICAL DIMENSIONS TO BE ABOVE FINISHED FLOOR (AFF), U.N.O.
      7) UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR SCALE THE DRAWINGS TO DETERMINE THE DIMENSIONS. DIMENSIONS ARE SHOWN FROM FACE OF DRYWALL OR GYPSUM BOARD CONSTRUCTION, UNLESS OTHERWISE NOTED.
      8) ARCHITECTURAL DIMENSIONS AND DESIGN INTENT TAKE PRECEDENCE OVER MECHANICAL, ELECTRICAL, OR PLUMBING REQUIREMENTS. NOTIFY DESIGNER OF ANY DISCREPANCY BEFORE PROCEEDING WITH CONSTRUCTION.
2. SITE COORDINATION:
   A. THE GENERAL CONTRACTOR AND EACH TRADE IS RESPONSIBLE FOR REVIEWING AND COORDINATING ALL NEW WORK WITH ALL EXISTING CONDITIONS AND WITH ALL OTHER TRADES. NO FIELD WORK ORDERS WILL BE APPROVED FOR ANY CONDITIONS OR CONFLICTS THAT COULD HAVE BEEN ACCOUNTED FOR BY THE BIDDER DURING BID FIELD INSPECTION AND/OR ANY CONDITIONS OR CONFLICTS THAT COULD HAVE BEEN COORDINATED BY THE GENERAL CONTRACTOR AND EACH TRADE AFTER AWARD OF CONTRACT.
   B. THE SCOPE OF WORK AS INDICATED ON THESE DOCUMENTS IS FOR TENANT IMPROVEMENT WORK ONLY. BASE BUILDING SPACES AND CONSTRUCTION IS SHOWN FOR REFERENCE ONLY (IE., EXIT STAIRS, ELEVATORS, SHAFTS, TELEPHONE AND ELECTRICAL ROOMS, ETC.) AND IS EXISTING OR HAS BEEN APPLIED FOR UNDER SEPARATE PERMIT.
   C. THE GENERAL CONTRACTOR SHALL SURVEY ALL LOCATIONS AND CONDITIONS WHERE WORK IS REQUIRED TO BE ACCESSED FROM ADJACENT TENANT OR BASE BUILDING FLOORS OR SPACES (IE., CORING FOR ELECTRICAL DEVICES OR PLUMBING, ETC.), AND COORDINATE/SCHEDULE ALL WORK WITH THE OWNER AND BUILDING MANAGEMENT.
   D. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR COORDINATING HIS WORK WITH ANY CONTRACTORS AND/OR ITEMS/WORK SUPPLIED BY THE OWNER. COORDINATION SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
      1) INCLUDING AND COORDINATING ANY OWNER'S WORK/ISSUES INTO THE PROJECT SCHEDULE.
      2) ESTABLISHING CRITICAL DATES FOR DELIVERY, INSTALLATION, ETC.
      3) PROVIDE/COORDINATE HOISTING, LOADING DOCK, FREIGHT ELEVATOR, AND TEMPORARY SERVICES.
      4) PROVIDE/COORDINATE ANY/ALL BLOCKING, SUPPORT, BRACING, ETC. AS REQUIRED FOR OWNER'S WORK/ISSUES.
   E. WHERE DESIGN INTENT CANNOT BE DETERMINED FROM THE CONSTRUCTION DOCUMENTS, THE GENERAL CONTRACTOR IS RESPONSIBLE FOR OBTAINING A CLARIFICATION FROM THE DESIGNER PRIOR TO PROCEEDING WITH THE WORK IN QUESTION.
3. FIRE PROTECTION:
   A. THE GENERAL CONTRACTOR IS RESPONSIBLE FOR PROVIDING ALL FIRE PROOFING REQUIRED BY ANY/ALL CODES, LAWS OR ANY OTHER AUTHORITY HAVING JURISDICTION. FIRE PROOFING SHALL INCLUDE, BUT NOT BE LIMITED TO THE FOLLOWING:
      1) OPENINGS BETWEEN CONNECTING FLOORS.
      2) WALLS AT RAISED FLOORS OR WHERE SHOWN AND/OR REQUIRED BY CODE.
      3) ALL PIPES, DUCTWORK, SUPPORTS, FRAMING, EQUIPMENT, OR CONDUIT PENETRATING A FIRE-RATED WALL OR FLOOR ASSEMBLY.
      4) FIRE RATED/FULL HEIGHT PARTITIONS AT ADJOINING STRUCTURE TO HAVE FIRE STOPPING.

3. FIRE PROTECTION (CONTINUED):
      5) BEHIND ALL APPLIED WALL FINISHES, PANELS, MILLWORK, ETC.
      6) IN/UNDER ALL APPLIED FLOOR FINISHES, BETWEEN WOOD FLOOR SLEEPERS, ETC.
      7) PATCHING AND/OR ADDING FIRE PROOFING INSULATION TO ALL STRUCTURAL MEMBERS AS REQUIRED FOR BOTH NEW AND EXISTING WORK.
      8) PROVIDE FIRE-RATED CAULK AS REQUIRED AT ALL FIRE-RATED PARTITIONS AS PER U.L. ASSEMBLY.
   B. ALL NON-EXPOSED WOOD, PLYWOOD, WOOD BLOCKING, SHIMMING, FRAMING, ETC. IS TO BE FIRE RETARDANT TREATED.
4. DEMOLITION:
   A. SEE DEMOLITION DRAWINGS PREPARED BY MEP ENGINEERS AND/OR CONSULTANT(S) FOR ADDITIONAL INFORMATION AND REQUIREMENTS FOR DEMOLITION OF ELECTRICAL, HEATING,VENTILATING, AIR CONDITIONING PLUMBING VOICE/DATA, ETC., ITEMS AS WELL AS COORDINATION OF DEMOLITION ITEMS.
   B. PRIOR TO DEMOLITION AND BEFORE SUBMISSION OF PROPOSED METHODS AND SEQUENCES OF OPERATIONS, THE GENERAL CONTRACTOR SHALL BE RESPONSIBLE TO OBTAIN FOR REFERENCE ANY EXISTING RECORD DRAWINGS AND TO CONDUCT ANY APPROPRIATE FIELD TESTING TO DETERMINE THE NATURE OF THE WORK TO BE REMOVED.
   C. REMOVE ADDITIONAL GYPSUM BOARD AND FURRING ON ALL EXISTING GYPSUM BOARD COLUMN COVERS TO THE LEVEL OF THE ORIGINAL BASE BUILDING ENCLOSURES.
   D. DURING DEMOLITION, ALL STRUCTURES, FURNISHINGS, FINISHES, ETC. WHICH ARE NOT TO BE REMOVED OR ARE TO BE SALVAGED, SHOULD BE CAREFULLY PROTECTED FROM DAMAGE. DAMAGE TO THE EXISTING ITEMS OR SURFACES THAT REMAIN SHALL BE REFINISHED, REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER, BUILDING MANAGEMENT AND DESIGNER AT NO ADDITIONAL COST.
   E. DURING REMOVAL OF ITEMS INDICATED TO BE SALVAGED, PROTECTION AND CAUTION SHALL BE USED TO ELIMINATE THE POSSIBILITY OF DAMAGE TO SUCH ITEMS. ALL ITEMS OF EXISTING EQUIPMENT, WALLS, FIXTURES, ETC. SHALL REMAIN THE PROPERTY OF THE TENANT. ALL SALVAGED AND/OR REUSABLE ITEMS SALVAGED DURING DEMOLITION OPERATIONS SHALL BE REMOVED AND RETAINED FOR LATER REINSTALLATION. ITEMS INSPECTED AND REJECTED BY THE OWNER OR DESIGNER SHALL BE DISPOSED BY THE GENERAL CONTRACTOR.
   F. PROVIDE ALL DEMOLITION REQUIRED FOR REMOVAL OF SYSTEMS, MATERIALS AND EQUIPMENT MADE OBSOLETE BY THIS PROJECT AS INDICATED BY THE CONTRACT DOCUMENTS.
   G. FIELD-VERIFY ALL CONDITIONS AND DIMENSIONS AND NOTIFY DESIGNER OF ANY DEVIATION BEFORE PROCEEDING WITH DEMOLITION.
   H. THE GENERAL CONTRACTOR SHALL PROVIDE AS REQUIRED THE MEANS AND METHODS TO MAINTAIN APPROPRIATE VENTILATION, LIGHTING AND SAFETY, ETC. THROUGHOUT THE DEMOLITION PROCESS. GENERAL CONTRACTOR TO VERIFY/COORDINATE WITH BUILDING MANAGEMENT ALL MEANS AND METHODS.
   I. ANY DEMOLITION OR REMOVAL INDICATED IS SHOWN IN GENERAL TO PROVIDE THE EXTENT OF DEMOLITION AND IS NOT TO BE CONSIDERED A RECORD DRAWING OF EXISTING CONDITIONS.
   J. THE GENERAL CONTRACTOR SHALL SUBMIT A SCHEDULE OF METHODS AND OPERATIONS OF DEMOLITION FOR THE OWNER'S REVIEW FOR ALL DEMOLITION AND REMOVAL WORK. INCLUDE IN THE SCHEDULE THE COORDINATION REQUIRED WITH THE BUILDING MANAGEMENT, ALL TRADES FOR SHUTOFF, CAPPING OR REROUTING OF UTILITIES, THE CONSTRUCTION OF ANY TEMPORARY UTILITY LINES, AND PROTECTIVE MEASURES.
   K. THE OWNER ASSUMES NO RESPONSIBILITY FOR THE ACTUAL CONDITION OF STRUCTURES TO BE DEMOLISHED. CONDITIONS EXISTING AT THE TIME OF INSPECTION FOR BIDDING PURPOSES WILL BE MAINTAINED BY THE OWNER INSOFAR AS FEASIBLE. HOWEVER, VARIATIONS WITHIN THE STRUCTURE MAY OCCUR BY THE OWNER'S REMOVAL AND SALVAGE OPERATIONS PRIOR TO THE START OF DEMOLITION WORK.
   L. BOX STUDIOS SHALL NOT IN ANY WAY BE RESPONSIBLE FOR IDENTIFYING OR DISCLOSING THE PRESENCE OF HAZARDOUS MATERIALS OR ADVISING ON THE HANDLING REMOVAL, OR DISPOSAL OF HAZARDOUS MATERIALS AT THE PROJECT SITE. SHOULD GENERAL CONTRACTOR OR ITS SUBCONTRACTORS ENCOUNTER, EXPOSE OR IN ANY WAY BECOME AWARE OF THE PRESENCE OF HAZARDOUS OR QUESTIONABLE MATERIALS ASSOCIATED WITH THIS PROJECT, G.C. SHALL STOP WORK IN THE IMMEDIATE AREA OF DISCOVERY AND NOTIFY OWNER OF ITS FINDINGS. G.C. SHALL NOT DISTURB OR CONTINUE WORK ON OR NEAR MATERIALS IN QUESTION UNTIL RECEIVING FURTHER DIRECTION FROM OWNER.
5. SHOP DRAWINGS
   A. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL CUSTOM FABRICATION AND PHYSICAL SAMPLES OF ALL SPECIFIED FINISH MATERIALS TO THE DESIGNER FOR REVIEW AND APPROVAL BY OWNER AND TENANT.
   B. SUBMITTAL SHALL BE REVIEWED FOR GENERAL COMPLIANCE WITH CONSTRUCTION DOCUMENTS.
   C. CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AFFECTING OR AFFECTED BY THIS SUBMITTAL. CONDITIONS TO INCLUDE: DIMENSIONS, CLEARANCES, AND QUANTITIES AND CONDITIONS OF INSTALLATION. CONTRACTOR SHALL INFORM DESIGNER OF ANY CONFLICTS PRIOR TO INITIATING SHOPS. CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF ALL WORK AND TRADES REQUIRED FOR THE SUBMITTAL.
   D. DESIGNER SHALL CHECK SHOPS AND SCHEDULES FOR CONFORMANCE TO THE INFORMATION GIVEN WITH IN THE CONSTRUCTION DOCUMENTS. DESIGNER ASSUMES NO RESPONSIBILITY FOR DRAWINGS, SCHEDULES, AND/OR SPECIFICATIONS PREPARED BY OTHERS.
   E. DESIGNER SHALL RETURN SUBMITTALS TO THE CONTRACTOR UPON COMPLETION OF REVIEW.

6. BUILDING (TENANT) STANDARDS
   A. ALL COMPONENTS, MATERIALS, FINISHES AND PRODUCTS NOTED AS BUILDING (TENANT) STANDARD HAVE BEEN PRESELECTED OR REQUIRE OWNER APPROVAL TO INSURE THE UNIFORMITY OF ALL TENANT FINISH PROJECTS WITHIN THE BASE BUILDING. THESE INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO: WALL TYPES, CEILING GRID AND TILE, PAINT, CARPET, VINYL TILE, DOORS AND FRAMES, AND HARDWARE.
   B. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THESE BUILDING (TENANT) STANDARDS AND USE THEM AS A BASIS FOR HIS BID. ANY EXISTING WORK TO REMAIN WHICH DOES NOT CONFORM WITH THE BUILDING (TENANT) STANDARDS SHALL BE MODIFIED TO DO SO UNLESS SPECIFICALLY DIRECTED BY THE OWNER.
7. PARTITIONS:
   A. CONSTRUCT FREESTANDING END WALLS USING DRYWALL AND CORNER BEADS.
   B. INTERIOR SUPPORT STEEL SHALL BE PROVIDED FOR PARTIAL HEIGHT WALLS GREATER THAN 3'-0" FROM THE FREESTANDING END WALL AND SHALL BE ANCHORED SECURELY TO THE FLOOR.
   C. WHEN ACOUSTICAL INSULATION IS SPECIFIED FOR SOUND ATTENUATING PARTITIONS, ANY EXPOSED INSULATION IN A RETURN AIR PLENUM TO BE FACED WITH NON-COMBUSTIBLE MATERIAL, AS PERMITTED BY CODE.
   D. ALL WALLS EXTENDING TO CEILING BUT NOT TO STRUCTURE SHALL HAVE METAL CROSS-BRACING PROVIDED AND INSTALLED BY CONTRACTOR AT 8'-0" O.C.
   E. FLOOR TO STRUCTURE PARTITIONS:
      1) PROVIDE AND INSTALL DRYWALL SLIP AND CONTROL JOINTS OVER ANY BUILDING EXPANSION JOINTS AS RECOMMENDED BY THE BUILDING STRUCTURAL ENGINEER.
      2) PROVIDE FOR PLENUM RETURN AIR FLOW AT ANY FLOOR TO STRUCTURE PARTITION, AS REQUIRED BY THE PROJECT MECHANICAL ENGINEER.
   F. FLOOR TO CEILING ACOUSTICAL PARTITIONS:
      1) PROVIDE AND INSTALL NON-COMBUSTIBLE, FACED, PLENUM RATED ACOUSTICAL BATT INSULATION FOR ANY ACOUSTICAL PARTITIONS NOTED TO RECEIVE ABOVE CEILING LAY-OVER INSULATION OR ANY OTHERWISE EXPOSED ABOVE-CEILING ACOUSTICAL INSULATION.
   G. WALL MOUNTED ACCESSORIES AND MILLWORK:
      1) ANY BLOCKING REQUIRED FOR MILLWORK OR SUPPORT OF WALL MOUNTED ACCESSORIES SHALL BE NON-COMBUSTIBLE SOLID WOOD BLOCKING.
   H. EXTERIOR WINDOW MULLION, EXTERIOR WALL PARTITION AND CONVECTOR CONNECTIONS:
      1) UNLESS NOTED OTHERWISE, CENTER NEW PARTITIONS ON EXTERIOR WINDOW MULLIONS. ALL INTERIOR PARTITIONS SHALL BE CONNECTED TO EXTERIOR WINDOW MULLIONS, INCLUDING SPACES BETWEEN WINDOW MULLION AND INTERIOR STRUCTURAL COLUMNS, WHERE PLANS SHOW AN INTERIOR PARTITION CONNECTED TO A STRUCTURAL COLUMN. ALL CONNECTIONS TO THE EXTERIOR WINDOW MULLION SHALL MATCH BUILDING STANDARD OR EXISTING PARTITION CONNECTION TO EXTERIOR WINDOW MULLIONS; HOWEVER, UNDER NO CIRCUMSTANCE, SHALL MECHANICAL CONNECTORS BE USED ON AN EXTERIOR WINDOW MULLION.
      2) PROVIDE A SLIP JOINT AT ALL INTERIOR DRYWALL PARTITION CONNECTIONS TO EXTERIOR WALLS UNLESS OTHERWISE DIRECTED BY THE OWNER.
      3) THE CONTRACTOR SHALL PROVIDE AN ACOUSTICAL BARRIER AT THE INTERSECTION OF THE DRYWALL PARTITION AND THE BASEBOARD HEATING OR CONVECTOR FOR INTERIOR SPACES WITH EXTERIOR WALL BASEBOARD HEATING OR UNIT CONVECTION INTERRUPTED BY DRYWALL PARTITIONS, AS APPROVED BY THE OWNER.
   I. DRYWALL FURRING:
      1) DRYWALL FURRING SHALL ONLY BE APPROVED AS DETAILED ON THESE DRAWINGS, OR AS APPROVED BY ARCHITECT. CONTRACTOR TO PROVIDE SUBMITTALS FOR APPROVAL.
      2) MATCH AND BLEND ALL NEW DRYWALL FURRING TO EXISTING DRYWALL SURFACES TO REMAIN. ALL NEW DRYWALL FURRING SHALL BE TRUE AND PLUMB. PROVIDE AND INSTALL BEADED METAL TRIM AT ALL CORNERS AND TERMINATIONS (J-METAL TRIM WILL BE REJECTED).
      3) DRYWALL FURRING, INSULATION AND VAPOR BARRIERS AT EXTERIOR BUILDING WALLS SHALL BE IN STRICT COMPLIANCE WITH THE BUILDING STANDARDS
   J. SLAB-ON-GRADE IMPROVEMENTS:
      1) THE CONTRACTOR SHALL BE RESPONSIBLE FOR FAMILIARIZING HIMSELF WITH THE SOILS AND STRUCTURAL REPORTS AND PLANS FOR THE BUILDING TO DETERMINE THE DESIGNED STRUCTURAL MOVEMENT PARAMETERS (IF PLANS OR REPORTS ARE NOT AVAILABLE, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONSULTING WITH THE OWNER FOR DETERMINATIONS). THE FLOOR SLAB MAY BE SUBJECT TO STRUCTURAL HEAVING OR MOVEMENT CONDITIONS FOR PROJECTS LOCATED ON A CONCRETE FLOOR SLAB ON-GRADE. IN NO INSTANCE SHALL CONSTRUCTION PROVISIONS BE MADE FOR LESS THAN A 2-1/2" FLOOR OR STRUCTURAL MOVEMENT.
      2) THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING AND PROVIDING FOR ANY SPECIAL STRUCTURAL CONDITIONS REQUIRING OR AFFECTING THE PROPOSED DESIGN OR METHODS OF CONSTRUCTION FOR THE PROJECT.
      3) THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE LOCATION OF BUILDING ISOLATION, EXPANSION AND CONTROL JOINTS AND FOR PROVIDING SLIP JOINTS, CONTROL AND EXPANSION JOINTS AS MAY BE REQUIRED TO ALLOW FOR FLOOR SLAB OR OTHER DIFFERENTIAL MOVEMENT WITHIN THE BASE BUILDING'S DESIGN ALLOWANCES OR CONDITIONS, AS A MINIMUM.

7. PARTITIONS(CONTINUED):
   K. SLAB-ON-GRADE IMPROVEMENTS (continued):
      a. SLIP JOINTS AT THE HEAD OF ALL FLOOR TO STRUCTURE PARTITIONS.
      b. SLIP JOINTS AT THE INTERSECTION OF ANY INTERIOR PARTITIONS AND EXTERIOR PERIMETER WALLS, STRUCTURE AND OTHER BASE BUILDING ELEMENTS ON FOUNDATIONS AND NOT SUBJECT TO SOILS MOVEMENT.
      c. BASE SLIP JOINTS FOR DRYWALL FURRING SHALL BE PROVIDED IN EXTERIOR PERIMETER WALLS AND OTHER BASE BUILDING ELEMENTS ON FOUNDATIONS NOT SUBJECT TO SOILS MOVEMENT, WHICH ARE ABUTTING FLOOR SLAB CONDITIONS SUBJECT TO STRUCTURAL MOVEMENT. IN ADDITION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ANY REQUIRED PROVISIONS FOR FURRING AT BASE BUILDING DOORS AND WINDOW SUBJECT TO MOVEMENT DUE TO SOILS EXPANSION.
      d. INTERIOR WALL EXPANSION AND/OR CONTROL JOINTS AS REQUIRED OVER SLAB OR STRUCTURAL WALL EXPANSION OR CONTROL JOINTS SUBJECT TO DIFFERENTIAL MOVEMENT.
      e. INDEPENDENTLY SUSPENDED CEILING GRID EDGE ANGLES AT ANY CONDITIONS, WHERE CEILING ABUTS INTERIOR PARTITIONS SUBJECT TO SOILS MOVEMENT. SIMILAR FOR SUSPENDED DRYWALL SOFFITS, FASCIAS AND CEILINGS.
      f. CONTROL OR EXPANSION JOINTS AT ANY INTERSECTIONS OF PARTITIONS AND SUSPENDED DRYWALL SOFFITS AND FASCIAS SUSPENDED FROM STRUCTURE ABOVE. ANY DRYWALL SOFFITS AND FASCIAS SHALL BE INDEPENDENTLY SUSPENDED FROM THE STRUCTURE ABOVE AND EXTEND 6" MINIMUM ABOVE ANY ABUTTING SUSPENDED CEILING TREATMENTS.
      g. PROVIDE AND INSTALL CONTROL JOINTS ON BOTH SIDES OF DOOR JAMBS IN ALL INTERIOR PARTITIONS. EXCEPT AS OTHERWISE APPROVED IN WRITING, ALL DOOR FRAMES FOR SLAB ON GRADE CONSTRUCTION SHALL BE RIGID HOLLOW METAL.
   L. DRYWALL CEILINGS, FASCIAS AND SOFFITS:
      1) EXCEPT AS OTHERWISE NOTED, DRYWALL CEILINGS, FASCIAS AND SOFFITS SHALL BE 5/8" DRYWALL FRAMED OR SUSPENDED AND INSTALLED AS RECOMMENDED BY THE DRYWALL MANUFACTURER FOR SPECIFIC APPLICATION.
   M. DRYWALL PREPARATION AND FINISH:
      1) TAPE ALL DRYWALL JOINTS AND INTERIOR CORNERS, UNLESS OTHERWISE NOTED. TAPE SHALL BE AS RECOMMENDED BY DRYWALL MANUFACTURER AND EMBEDDED IN DRYWALL MANUFACTURER'S RECOMMENDED JOINT COMPOUND AND WIPED WITH A JOINT KNIFE, LEAVING A THIN COAT OF COMPOUND OVER THE TAPE. PROVIDE AND INSTALL BEADED METAL TRIM, AS RECOMMENDED BY THE DRYWALL MANUFACTURER AT ALL CORNERS AND DRYWALL TERMINATIONS. UNLESS NOTED OTHERWISE, J-MOLD TRIM WILL BE REJECTED.
      2) ALL DRYWALL ACCESSORIES AND/OR FASTENERS SHALL BE COVERED BY THREE (3) SEPARATE COATS OF JOINT COMPOUND. JOINT COMPOUND SHALL BE FINISHED SMOOTH AND FREE OF TOOL MARKS, RIDGES OR OTHER IRREGULARITIES.
      3) PREPARE AND APPLY TO DRYWALL SURFACES WITH AN APPROVED DRYWALL PRIMER PRIOR TO APPLICATION OF THE SPECIFIED FINAL WALL FINISH.
8. DOORS:
   A. DOORS SHALL CONFORM TO AWI CUSTOM GRADE STANDARDS AND BE FREE FROM SCRATCHES OR IRREGULARITIES. DOORS TO BE SOLID CORE FLUSH WOOD FACE MATERIAL CONSTRUCTION WITH SUITE STANDARD FINISH, U.N.O.
   B. FRAMES TO MATCH SUITE STANDARD, U.N.O. FRAMES SHALL BE FREE FROM SCRATCHES OR IRREGULARITIES.
   C. ALL DOORS AND FRAMES SHALL BE INSTALLED PER MANUFACTURER INSTRUCTIONS AND SHALL BE PLUMBED, ALIGNED, AND SECURED PERMANENTLY WITHIN THE OPENING. CONTRACTOR SHALL REPLACE ANY DOORS, FRAMES, OR TRIM DAMAGED BEYOND SATISFACTORY TOUCH UP AT NO COST TO THE OWNER.
   D. ALL ADJACENT RE-USED AND NEW DOORS TO MATCH IN FINISHED APPEARANCE.
   E. PARTITIONS OVER DOORS SHALL BE CONTINUOUS AND THE SAME AS ADJACENT WALLS WHERE DRYWALL CONTINUES TO STRUCTURE ABOVE, OR ABOVE CEILING, TYPICAL UNLESS NOTED OTHERWISE
   F. UNLESS NOTED OTHERWISE, ALL HINGE SIDES OF DOOR FRAMES ADJACENT TO A PERPENDICULAR PARTITION AND/OR ANGLED PARTITION ARE TO BE 4" FROM OUTSIDE EDGE OF DOOR FRAME TO FINISH FACE OF THE PARTITION OR TO MATCH EXISTING CONDITIONS.
9. HARDWARE
   A. ADA COMPLIANT LEVER STYLE HARDWARE SETS AND DELAYED ACTION CLOSERS TO BE PROVIDED AT ALL DOORS TO OR FROM PUBLIC AREAS.
   B. HARDWARE SCHEDULE SHALL BE PREPARED AND PROVIDED BY HARDWARE SUPPLIER. SCHEDULE TO INCLUDE TEMPLATES FOR ALL DOOR AND FRAME PENETRATIONS. SUBSTITUTION REQUESTS SHALL BE ACCOMPANIED BY CUT SHEETS.
   C. HARDWARE FINISH TO BE BUILDING OR SUITE STANDARD, U.N.O. DOOR CLOSERS TO MATCH EXISTING. WEATHER/SOUND STRIPPING AND/OR SMOKE SEALS SHALL BE FULL HEIGHT OF BOTH JAMBS AND FULL WIDTH OF HEAD.
   D. HARDWARE MANUFACTURER'S REPRESENTATIVE SHALL INSPECT AND ADJUST AL DOOR CLOSERS, LOCKS, AND ALL ITEMS REQUIRING ADJUSTMENT PRIOR TO FINAL INSPECTION. ALL KEYING TO BE BY OWNER.
   E. GENERAL CONTRACTOR TO COORDINATE ANY/ALL HARDWARE REQUIRING ELECTRICAL POWER (BOTH HIGH AND LOW VOLTAGE) WITH HARDWARE SUPPLIER/MANUFACTURER, INSTALLER, MILLWORKER, ELECTRICAL AND SECURITY CONTRACTORS.

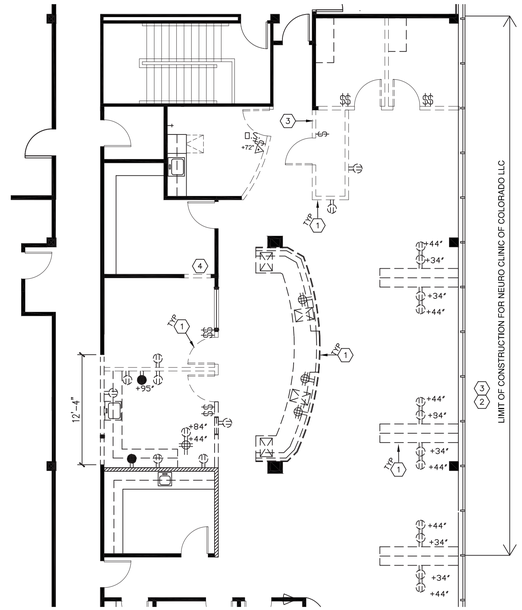
9. HARDWARE (CONTINUED):
   F. ALL BASE PLATES FOR DOOR PIVOT HINGES TO BE BELOW CARPET OR OTHER FINISH FLOORING AND TOP OF BASE PLATES FOR DOOR PIVOT HINGES TO BE INSTALLED FLUSH WITH TOP OF CONCRETE SLAB. ROUT OUT SLAB AND PROVIDE PIVOT SPINDLE LENGTHS AND PATCH AS REQUIRED. GENERAL CONTRACTOR TO COORDINATE.
10. GLAZING:
   A. ALL INTERIOR GLASS TO BE ¼" THICK, CLEAR FLOAT GLASS, CLEAR AND FREE FROM SCRATCHES AND IRREGULARITIES, UNLESS NOTED OTHERWISE, REQUIRED BY CODE, OR RECOMMENDED BY MANUFACTURER FOR THE INDICATED APPLICATION.
   B. CLEAR FLOAT GLASS TO BE TYPE I, CLASS I; FIRE RATED GLASS SHALL BE TYPE II, CLASS I; LAMINATED SAFETY GLASS SHALL BE (2) LAYERS OF GLASS COMPLIANT WITH CURRENT ANSI SPECIFICATIONS.
   C. FIELD MEASURE ALL FRAME OPENINGS PRIOR TO FABRICATION AND SUPPLY GLASS AS REQUIRED FOR OPENINGS PROVIDED. PROVIDE EDGE CLEARANCES AND TOLERANCES AS RECOMMENDED BY MANUFACTURER.
   D. EXPOSED BUTT JOINTS NOT EXCEED 1/8" WITH FLAT GROUND AND POLISHED EXPOSED EDGES. DO NOT INSTALL WITH EDGE DAMAGE OR DEFECTS.
   E. RAZOR TRIM AND ENSURE THAT ALL EXPOSED SEALANT IS CLEAR AND FREE OF ALL BUBBLES AND IRREGULARITIES. ALL ADDITIONAL PRODUCTS INCLUDING SPACERS, SETTING BLOCKS, AND SEALANT SHALL BE COMPATIBLE WITH ALL ADJACENT SURFACES THAT ARE IN CONTACT WITH SEALANT. REJECTION OF WORK AND INSTALLATION SHALL OCCUR DUE TO ANY SCRATCHING OF GLASS THROUGH NON-COMPLIANCE. ALL COMPONENTS TO BE AS RECOMMENDED BY MANUFACTURER FOR THE INDICATED APPLICATION.
   F. ALL FRAMING MEMBERS TO RECEIVE GLASS INCLUDING GLAZING CHANNELS SHALL BE CLEANED IMMEDIATELY PRIOR TO RECEIVING GLAZING. CONTRACTOR TO PROTECT GLASS FROM CONTACT WITH CONTAMINATING SUBSTANCES DUE TO CONSTRUCTION, REMOVE ANY CONTAMINANTS BY APPROVED METHODS FROM THE GLASS MANUFACTURER, AND VERIFY THAT NEW MATCHES EXISTING.
11. MILLWORK:
   A. MILLWORK SHALL BE AWI CUSTOM GRADE FLUSH CONSTRUCTION, U.N.O.
   B. SOLID BLOCKING SHALL BE PROVIDED IN PARTITIONS BEHIND ALL WALL MOUNTED MILLWORK, SHELVING, CABINETS, AND WALL STOPS WHERE UNABLE TO ATTACH DIRECTLY TO STUDS.
   C. SHOP DRAWINGS SHALL BE PROVIDED BY CONTRACTOR AND SHALL SHOW THE LOCATION AND FIELD VERIFIED DIMENSIONS OF EACH ITEM IN PLAN AND ELEVATION WITH LARGE SCALE SECTIONS AND DETAILS WITH THE LOCATIONS OF INTERNAL AND FIELD JOINTS, ATTACHMENT DEVICES, PLASTIC LAMINATE OR VENEER JOINTS, AND ANY COMPONENTS AND/OR HARDWARE AS REQUESTED BY OWNER. OWNER SHALL REVIEW SHOP DRAWINGS FOR SIZE AND CONFIGURATION OF MILLWORK. DESIGNER SHALL REVIEW SHOPS FOR CONFORMITY WITH CONSTRUCTION DOCUMENTS. CONTRACTOR ASSUMES ALL RISK ASSOCIATED WITH FABRICTION DONE PRIOR TO SHOP DRAWING APPROVAL.
   D. OWNER REQUESTED SAMPLES OF SPECIFIED STAIN, FINISH, HARDWARE, AND TYPICAL DETAIL TREATMENTS SHALL BE PROVIDED BY CONTRACTOR PRIOR TO FABRICATION.
   E. FIELD VERIFICATION AND REVIEW OF CONTRACT DOCUMENTS FOR ALL PROPOSED AND EXISTING CONDITIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. TO INCLUDE APPLICABLE DIMENSIONS AND CLEARANCES ASSOCIATED WITH MILLWORK INSTALLATION. CONTRACTOR SHALL ADVISE THE DESIGNER OF ANY DISCREPANCIES, CONFLICTS, OR OMISSIONS PRIOR TO FABRICATION.
   F. PROVIDE GROMMET HOLES WITH COVER PLATE WHERE INDICATED ON DRAWINGS. EXACT LOCATIONS TO BE SHOWN/NOTED ON MILLWORK SHOP DRAWINGS.
   G. GENERAL CONTRACTOR TO COORDINATE LOCATIONS OF ELECTRICAL AND VOICE/DATA DEVICES, PLUMBING, ETC., MOUNTED WITHIN AND/OR ON MILLWORK WITH ELECTRICAL, PLUMBING, AND MILLWORK CONTRACTORS.
   H. MILLWORK CONTRACTOR SHALL PROVIDE ALL PLASTIC LAMINATE, JOINTS, "COLOR CORE" PLASTIC LAMINATE VERSUS PLASTIC LAMINATE, AND ALL SEAMS/EDGES FOR ALL PLASTIC LAMINATE COVERED MILLWORK ON THE SHOP DRAWING SUBMITTALS, TYPICAL.
   I. PROVIDE FINISHED SCRIBE STRIPS AND FINISHED MILLWORK EDGES TO CREATE A FINISHED REVEAL CONDITION WHERE MILLWORK COUNTERS, CABINETS, ETC. ABUT ADJACENT CONSTRUCTION, TYPICAL UNLESS NOTED OTHERWISE. ALL EXPOSED REVEAL SURFACES AND EDGES TO HAVE MATCHING COLOR AND FINISH.
12. CEILINGS:
   A. SEE ENGINEERING AND/OR CONSULTANT(S) DRAWINGS FOR QUANTITY AND LOCATION OF ALL EXIT AND EMERGENCY LIGHTS, THERMOSTATS, SPRINKLER HEADS, LIFE SAFETY SPEAKERS, AND DIFFUSER GRILLES, TYPICAL UNLESS NOTED OTHERWISE.
   B. CONTRACTOR SHALL INSTALL ALL NEW GRID AND TILE PLUMB PER MANUFACTURER'S RECOMMENDATION.
   C. CONTRACTOR SHALL REPLACE OR REPAIR ANY DAMAGED, DISCOLORED, SCUFFED, SOILED, OR UNMATCHING TILES IN CONTIGUOUS AREAS. CONTRACTOR SHALL GROUP EXISTING MATCHING TILES IN ADJACENT AREAS AS DIRECTED BY OWNER. CONTRACTOR SHALL CUT TILES OVER CENTERS OF PARTITIONS AS REQUIRED TO PRODUCE UNI

DEMOLITION PLAN GENERAL NOTES

1. DEMOLISH AND REMOVE ALL PARTITIONS, MATERIALS, AND DEBRIS AS SHOWN ON THE DRAWINGS OR SPECIFIED OTHERWISE HEREIN.
2. ALL EXISTING EQUIPMENT, MATERIALS, AND FIXTURES NOT SCHEDULED FOR RE-USE SHALL REMAIN THE PROPERTY OF THE OWNER. COORDINATE WITH THE OWNER REPRESENTATIVE AND COMPLY WITH ALL REGULATIONS AND/OR REQUIREMENTS PERTAINING TO REMOVAL, SALVAGE AND STORAGE OF MATERIALS DEMOLISHED AS SCHEDULED.
3. VERIFY CONDITION OF ALL MATERIALS SCHEDULED FOR RE-USE. INVENTORY ALL ITEMS AND COORDINATE WITH OWNER REPRESENTATIVE FOR POTENTIAL COMMENCEMENT OF DEMOLITION WORK. COORDINATE AN ON-SITE MEETING TO REVIEW INVENTORY WITH OWNER REPRESENTATIVE PRIOR TO COMMENCEMENT OF DEMOLITION WORK.
4. UNLESS OTHERWISE SPECIFIED, EXISTING WALL COVERINGS, FLOORCOVERINGS, AND BASEBOARD THROUGHOUT AREAS OF EXPANSION ARE TO BE DEMOLISHED. PREPARE EXISTING SURFACES FOR NEW. ALL AREAS NOT AFFECTED BY CONSTRUCTION SHALL REMAIN AS IS.
5. EXISTING ELECTRICAL WIRING AND COMMUNICATION/DATA CABLES IN PARTITIONS, RACEWAYS OR ABOVE THE CEILING AND NOT SCHEDULED FOR RE-USE, SHALL BE REMOVED ENTIRELY, INCLUDING HANGARS, SUPPORTS, TERMINALS, CONDUIT AND JUNCTIONS FROM THE SOURCE TO THE POINT OF TERMINATION. MAINTAIN CIRCUIT AND/ OR TRANSMISSION CONTINUITY TO REMAINING DEVICES, WHERE NECESSARY.
   a. ELECTRICAL DEMOLITION SHALL INCLUDE REMOVAL OF ALL ELECTRICAL/COMMUNICATIONS/DATA RECEPTACLES, OUTLETS, FEEDERS, RACEWAYS AND DEVICES SCHEDULED FOR DEMOLITION.
6. ALL PIPES AND CONDUIT IN PARTITIONS SCHEDULED FOR DEMOLITION SHALL BE REMOVED ENTIRELY WHEN NOT IN USE AND/OR RELOCATED WHEN IN USE OR SCHEDULED FOR FUTURE USE.
7. ABANDONED ELECTRICAL CIRCUITS, FIXTURES AND DEVICES DISCOVERED BY THE CONTRACTOR AND NOT SCHEDULED FOR RE-USE SHALL BE REPORTED TO THE OWNER REPRESENTATIVE FOR FURTHER DIRECTION.
8. AREAS SHOWN THUS (SHADED GREY) NOT INCLUDED IN CONTRACT.
9. PATCH, SAND AND PREPARE ALL DRYWALL PARTITIONS AS NECESSARY FOR NEW WALL FINISH PRIOR TO INSTALL OF SCHEDULED WALL FINISH.
10. DEMOLISH EXISTING DAMAGED OR SOILED CEILING ACOUSTICAL TILES AND REPLACE WITH NEW TO MATCH EXISTING CONDITIONS. CUT TO EXISTING CEILING ACCESSORIES AS REQUIRED KEEPING ALL CUTS TIGHT TO ASSEMBLY.
11. AT AREAS BEING DEMOLISHED AND REBUILT IN THEIR EXISTING LOCATION(IE WET AREAS, TOILET AREAS, ETC) DO THE FOLLOWING:
   a. REMOVE ALL ELECTRICAL ASSEMBLIES TO THE NEAREST BRANCH AND REPLACE WITH NEW ASSEMBLY. ALL SHALL BE MADE WATER TIGHT/WEATHER PROOF AND ALL IN WET AREAS SHALL BE CIRCUITED TO A GFI ASSEMBLY.
   b. FRAMING IS EXPECTED TO BE DAMAGED TO A POINT WHERE REPAIR WILL BE REQUIRED AT THE LOWER THIRD OF THE ASSEMBLY. SEE DETAILS ON THIS SHEET FOR REPAIR REQUIREMENTS.
   c. ALL NEW FRAMING, CEILING ASSEMBLIES AND ELECTRICAL/MECHANICAL CONNECTIONS SHALL MEET CURRENT CODE BRACING AND STRAPPING. PROVIDE AS THROUGHOUT AS NECESSARY.
13. ELECTRICAL DEMOLITION SHALL INCLUDE REMOVAL OF RECEPTACLES, PHONE OUTLETS, AND DEVICES IN WALLS SCHEDULED FOR DEMOLITION. MAINTAIN CIRCUIT CONTINUITY TO REMAINING ELECTRICAL DEVICES. REFER TO ELECTRICAL ENGINEERING PLANS FOR ADDITIONAL INFO.

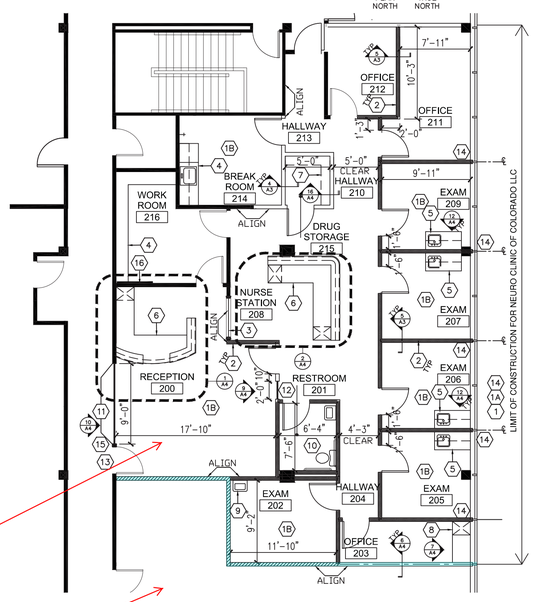
CONSTRUCTION PLAN GENERAL NOTES

1. THE INTENT OF THE LAYOUT IS TO REPRESENT LOCATION FOR EXISTING AND/OR NEW CONSTRUCTION. DIMENSIONS ARE TO FACE OF DRYWALL UNLESS OTHERWISE NOTED.
2. PROVIDE SOLID WOOD BLOCKING IN PARTITIONS FOR PLUMBING FIXTURES, DOOR STOPS, SHELVING, MILLWORK ETC., AND AS INDICATED ON THE DRAWINGS. PLYWOOD BACKING MAY BE USED FOR SHELVING.
3. ALL WOOD BLOCKING, FURRING AND BACKING SHALL BE NON-COMBUSTIBLE FIRE RETARDANT TREATED WOOD OR METAL. ALL REQUIRED RATED MATERIALS SHALL BEAR IDENTIFICATION SHOWING FIRE PERFORMANCE RATING THEREOF, AND MEET ALL APPLICABLE BUILDING CODES.
4. PATCH AND REPAIR FLOORS, WALLS, AND CEILINGS WHERE EXISTING CONSTRUCTION MAY HAVE BEEN REMOVED. PREP AREA SURFACE FOR SCHEDULED FINISH TREATMENT.
5. REFER TO DEMOLITION PLAN FOR METAL STUD REPAIR.
6. ALL METAL STUDS SHALL BE 3 5/8" WIDE AND 25 GA. UNLESS NOTED OTHERWISE.
7. PROVIDE METAL STUD CROSS BRACING FOR SUPPORT OF EQUIPMENT, FINISH HARDWARE ITEMS AND MISCELLANEOUS WALL SUPPORTED ITEMS.
8. PROVIDE STRUCTURAL KICKERS FOR PARTITIONS AND WINDOWS THAT DO NOT EXCEED HEIGHT OF SUSPENDED CEILING. KICKERS SHALL BE AT 45 DEGREE ANGLE TO PARTITION AND BE ANCHORED TO THE UNDERSIDE OF ROOF DECK AT 48" O.C.
9. STUD PARTITIONS TO BE ANCHORED SO AS TO RESIST A LATERAL LOAD OF 5 P.S.F. AS FOLLOWS: BOTTOM PLATE: ANCHOR TO SUB-FLOOR WITH .300" POWER DRIVEN PINS AT 24" O.C. TOP PLATE: FASTEN TO DECK OR CEILING GRID AS INDICATED.
10. UNLESS NOTED OTHERWISE, UNMARKED WALL TYPES SHALL MATCH ADJACENT DESIGNATED WALL TYPES.
11. WHEREVER A METAL STUD WALL CONTINUES TO THE STRUCTURE ABOVE, CONTINUE THE GYPSUM BOARD ON BOTH SIDES OF THE METAL STUDS. FIELD VERIFY EXISTING STUD SIZE AND GYPSUM BOARD THICKNESS/MATCH TO EXISTING CONDITIONS.
12. WALL TYPES DESCRIBE THE PRIMARY MEMBER AND SHEATHING. FINISHES AND SUBSTRATES FOR EACH INDIVIDUAL WALL ARE DESCRIBED ON THE ROOM FINISH SCHEDULE AND THE INTERIOR MATERIALS SCHEDULE. (BY OTHERS) THE EXTENT OF WALL FINISHES ARE SHOWN ON THE INTERIOR ELEVATIONS (BY OTHERS) AND FLOOR AND WALL FINISHES PLANS.
13. FLOAT EXISTING WALLS AS NECESSARY AND PROPERLY PREPARE TO RECEIVE NEW WALLCOVERING OR PAINT.
14. ALL WALLS (EXISTING TO REMAIN AND NEW) TO MATCH EXISTING BUILDING STANDARD TEXTURE AND FINISH. COAT WITH DRYWALL PRIMER OF HIGH QUALITY/HIGH SOLIDS PRIOR TO THE APPLICATION OF FINAL PAINT.
15. ALL COLUMN ENCLOSURES ARE 5/8" GYPSUM BOARD ON METAL STUDS. THE DIMENSIONS OF THE ENCLOSURES ARE SHOWN ON THE FLOOR PLAN OR IN A DETAIL. COLUMN ENCLOSURES EXTEND 6" ABOVE THE CEILING. IF THE COLUMN IS IN AN AREA WITHOUT A CEILING, THE ENCLOSURE EXTENDS TO THE TOP OF THE COLUMN.
16. ALIGN ALL ADJACENT WALL TYPES FINISHED FACE TO FINISHED FACE.
17. ALL DOOR ASSEMBLIES SHOWN ON PLAN AND NOT REFERENCED ARE EXISTING TO REMAIN (UNLESS NOTED OTHERWISE)
18. PROVIDE FIRE EXTINGUISHERS AS NECESSARY PER FIRE CODE (1 PER EVERY 75'). FIRE EXTINGUISHERS SHALL BE MOUNTED AT 48" A.F.F. MAXIMUM TO TOP OF UNITS. VERIFY ALL LOCATIONS WITH DESIGNER.



1 DEMOLITION PLAN
SCALE 1/8"=1'-0"

PLAN NORTH TRUE NORTH



2 CONSTRUCTION PLAN
SCALE 1/8"=1'-0"

PLAN NORTH TRUE NORTH

SUITE 220 RESIZED AND RECEIVES A NEW CERTIFICATE OF OCCUPANCY.

ADJACENT TENANT SPACE REQUIRES NEW CERTIFICATE OF OCCUPANCY.

DO NOT OCCUPY ADJACENT SPACE WITHOUT NEW CERTIFICATE OF OCCUPANCY.

DEMOLITION PLAN KEYED NOTES

1. EXISTING PARTITION, DOOR, WINDOW ASSEMBLY, ELEC. DEVICES TO BE REMOVED. PATCH/REPAIR CONDITIONS AS NECESSARY AND PREPARE FOR NEW CONSTRUCTION/FINISH TREATMENT (U.N.O.). SET ASIDE ALL DOOR ASSEMBLIES FOR RE-USE.
2. EXISTING FINISHES TO REMAIN INCLUDING FLOORING, BASE AND WALL COVERING (U.N.O.). PATCH/REPAIR AS NECESSARY DUE TO NEW CONSTRUCTION (MATCH EXISTING CONDITIONS). REFER TO ALTERNATE.
3. EXISTING PAMPHLET HOLDERS TO BE REMOVED AND PUT ASIDE FOR RELOCATION. COORDINATE WITH TENANT OVER FINAL LOCATION.
4. DEMOLISH EXISTING INTERIOR PARTITION AND PREPARE FOR NEW INTERIOR DOOR ASSEMBLY. RE: CONSTRUCTION PLAN.

PARTITION SCHEDULE

———	EXISTING BUILDING STANDARD INTERIOR PARTITION TO REMAIN. PATCH AND REPAIR PARTITION AS REQUIRED PRIOR TO APPLYING FINISH AS SCHEDULED.
— — —	EXISTING PARTITION TO BE REMOVED
═══	EXISTING DOOR TO BE REMOVED.
▨▨▨	NEW BUILDING STANDARD INTERIOR PARTITION FLOOR TO 6" ABOVE CEILING WITH FIBERGLASS SOUND INSULATION BATTS.
: : : : : : : :	NEW BUILDING STANDARD PARTIAL HEIGHT PARTITION UNDER MILLWORK AT 43" A.F.F. AS INDICATED. INCLUDE TRANSACTION SURFACE AND WORK SURFACE.

CONSTRUCTION PLAN KEYED NOTES

1. EXISTING FINISHES (INCLUDING CARPET, PAINT ADD BASE)TO REMAIN THROUGHOUT LIMIT OF CONSTRUCTION. PATCH/ REPAIR AS NECESSARY DUE TO NEW CONSTRUCTION. REFER TO FINISH PLAN/ SCHEDULE.
   1A. AS AN ALTERNATE: IN LIEU OF EXISTING FINISHES TO REMAIN, FURNISH AND INSTALL NEW CARPET THROUGHOUT THE LIMIT OF CONSTRUCTION WITH 4"H. RUBBER COVE BASE TRIM. REFER TO FINISH PLAN/ SCHEDULE.
   1B. AS AN ALTRNATE: IN LIEU OF EXISTING FINISHES TO REMAIN, FURNISH AND INSTALL NEW LUXURY VINYL TILE AT LOCATIONS SHOWN WITH 4"H. RUBBER COVE BASE TRIM. REFER TO FINISH PLAN/ SCHEDULE.
2. NEW INTERIOR PARTITION WITH SOUND ATTENUATION TYP. U.N.O. RE: DETAIL
3. EXISTING GLAZING ASSEMBLY TO REMAIN AS SHOWN,
4. EXISTING MILLWORK AND/OR PLUMBING TO REMAIN.
5. NEW MILLWORK AND/OR PLUMBING. REFER TO DETAILS.
6. NEW RECEPTION DESK / NURSE STATION MILLWORK. REFER TO DETAILS..
7. NEW SHELVING. REFER TO DETAILS.
8. NEW WORKSURFACE.. REFER TO DETAILS.
9. NEW WALL MOUNTED SINK. REFER TO PLUMBING PLANS FOR DETAILS.
10. NEW UNISEX RESTROOM AT LOCATION SHOWN. REFER: DETAILS/ PLUMBING PLAN.
11. AS AN ALTERNATE: NEW FULL HEIGHT GLAZING PARTITION. PROVIDE 3/8" CLR TEMPERED GLASS INSTALLED IN ALUMINUM TRACK AT SILL/HEAD AND CLEAR SILICONE CAULK AT JAMBS. INCLUDE 3-M FILM T.B.D.
12. AS AN ALTERNATE: NEW FULL HEIGHT SIDELITE GLAZING PARTITION. PROVIDE 3/8" CLR TEMPERED GLASS INSTALLED IN ALUMINUM TRACK AT SILL/HEAD AND CLEAR SILICONE CAULK AT JAMBS.
13. AS AN ALTERNATE: IN LIEU OF NEW BUILDING STANDARD ENTRY/EXIT DOOR, FURNISH AND INSTALL NEW GLASS INSET ENTRY/EXIT DOOR ASSEMBLY. INCLUDE 3M FILM, DOOR BOTTOM LOCKS, HANDLES , HINGES, AND A FLOOR MOUNTED DOOR STOP.
14. EXISTING PERIMETER BASE BOARD RADIATOR SYSTEM TO REMAIN. MODIFY NEW INTERIOR PARTITIONS AROUND RADIATOR AS NECESSARY.
15. REPAIR, REPLACE AND/OR PROVIDE NEW FINISH TREATMENTS TO MATCH EXISTING AT THIS PUBLIC AREA OF REMODEL. COORDINATE SPECIFICATIONS WITH BUILDING MANAGEMENT.
16. 48" X 48" X 5/8" A/D PLYWOOD TELEPHONE EQUIPMENT BACKBOARD MOUNTED AT 48" A.F.F. TO BOTTOM OF BOARD. PAINT TO MATCH WALL.

Code violations that are found during inspection are required to be corrected. Permit issuance does not grant approval of a code violation. **2009 IBC 105.4**

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Richard LaCoste*
Date: ***Jul 23, 2013***
2006 INTERNATIONAL CODES & 2008 NEC

RSN: ***731035***
Permit #: ***13-676049***

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AURORA, COLORADO 80012
LEVEL TWO SUITE 220

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ISSUED FOR: DATE: 7/5/13
SCHEMATIC DESIGN
DESIGN DEVELOP.
TEAM MEETING
PERMIT
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PERMIT
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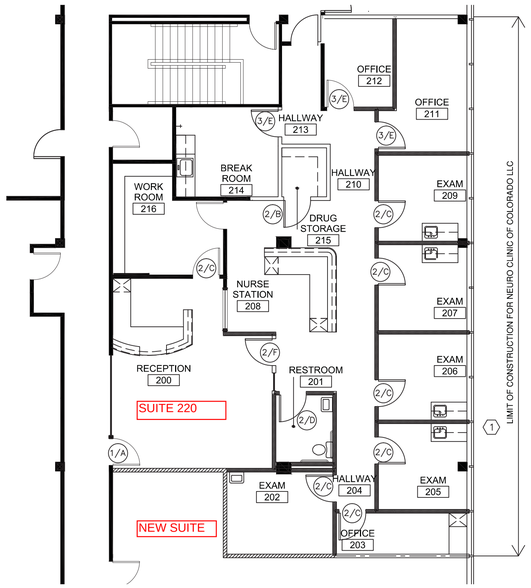
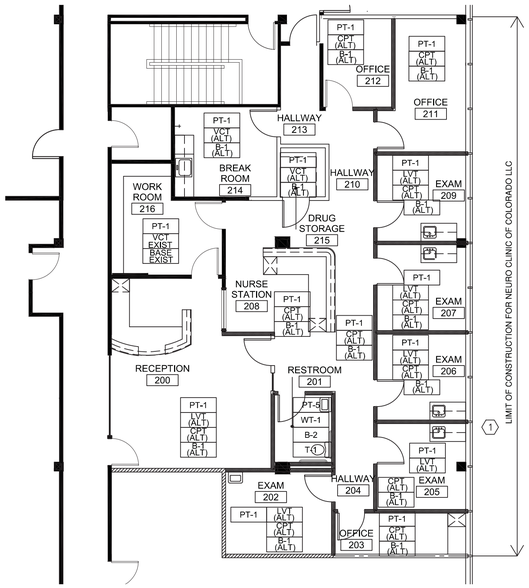
PROJECT NO.: 1400-2001
DRAWN BY: MH / JG

TITLE:
CONSTRUCTION PLAN
DEMOLITION PLAN

SHEET NO:
A1



1 DOOR SCHEDULE PLAN
SCALE 1/8"=1'-0"



2 FINISH PLAN
SCALE 1/8"=1'-0"

MILLWORK/FINISH PLAN SPECIFICATIONS

Millwork/Carpentry

Pulls-1 Door pulls: Tenant standard cabinet door/drawer pulls in aluminum finish. Mount pulls centered horizontally on drawers and vertically on cabinet doors. Location: At all millwork unless noted otherwise

PL-1 COUNTERTOPS: WILSONART; PLASTIC LAMINATE; INSTALL AT HORIZONTAL SURFACES
COLOR: 4871-60 WESTERN SUEDE

PL-2 CABINETS: WILSONART; PLASTIC LAMINATE; INSTALL AT VERTICAL SURFACE
COLOR: 7969K-12 WAREHOUSE OAK

EDGING 3MM EDGING AT MILLWORK. PIONITE; PLASTIC LAMINATE; INSTALL AT EDGING SURFACES. COLOR: ST604 NUBIAN BROWN SUEDE

FLOORING

CPT CARPET: MODULAR CARPET TILE, QUARTER TURNED; SHAW COMMERCIAL CARPET, DISSOLVE 59566, COLOR: 66751 UMBER METAL (PRICE AS AN ALTERNATE, REFER TO CONSTRUCTION PLAN)

LVT 18" X 18" LUXURY VINYL TILE; ARMSTRONG NATURAL CREATIONS; MISTYX, COLOR: TP743 BUCKSKIN BURNETTE (PRICE AS AN ALTERNATE, REFER TO CONSTRUCTION PLAN).

VCT AN 12" x 12" VINYL COMPOSITION TILE; ARMSTRONG STANDARD EXCELON, COLOR: 51858 SANDRIFT WHITE (PRICE AS ALTERNATE, REFER TO CONSTRUCTION PLAN)

T-1 12" X 12" CERAMIC TILE; DALTILE; PROVIDE AN ALLOWANCE OF $5.00 SQ/FT.

BASE

B-1 JOHNSONITE 4" RUBBER WALL BASE, COLOR: 47 BROWN. (PRICE AS AN ALTERNATE, REFER TO CONSTRUCTION PLAN)

B-2 6" X 6" CERAMIC COVE TILE BASE; DALTILE. PROVIDE AN ALLOWANCE OF $5.00 SQ/FT.

PAINT

GENERAL PAINTING SHEEN NOTES: EGGSHELL SHEEN AT ALL WALLS, UNLESS NOTED OTHERWISE

PT-1 NEW PAINT: BENJAMIN MOORE; THROUGHOUT LIMIT OF CONSTRUCTION:INCLUDE TWO COATS AT NEW GYP BOARD LOCATIONS. COLOR: 1038 EVERLASTING

PT-2 ACCENT PAINT: BENJAMIN MOORE, AT LOCATIONS SHOWN.COORDINATE WITH TENANT ON LOCATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. COLOR: 1625 BLUE LACE

PT-3 ACCENT PAINT: BENJAMIN MOORE, AT LOCATIONS SHOWN.COORDINATE WITH TENANT ON LOCATIONS PRIOR TO COMMENCEMENT OF CONSTRUCTION. COLOR: 998 CABOT TRAIL

PT-4 DOOR FRAME PAINT: BENJAMIN MOORE, THROUGHOUT LIMIT OF CONSTRUCTION COLOR: TBD

PT-5 NEW PAINT: BENJAMIN MOORE; SEMI-GLOSS AT RESTROOM SHOWN. COLOR: 1038 EVERLASTING

WT-1 6" X 6" CERAMIC TILE; DALTILE; PROVIDE AN ALLOWANCE OF $5.00 SQ/FT.

* G.C. SHALL NOTE, EXISTING FLOORING FINISHES ARE TO REMAIN THROUGHOUT (U.N.O.). EXISTING FINISHES ARE AS FOLLOWS:

CARPET - HEADLINES II I0148 COLOR: 48302 PATRON SAINT OF TV

LVT - SILVER KNIGHT, DIAMOND TECH WOOD CHERRY TD-DMW-2085

REFER TO CONSTRUCTION PLAN FOR ALTERNATE FLOORING LOCATIONS, PRICE SEPARATELY AS NECESSARY.

Provide lever or other approved hardware on all new or relocated doors.
2003 ANSI A117.1

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Richard LaCoste*
Date: ***Jul 23, 2013***
2006 INTERNATIONAL CODES & 2008 NEC

RSN: *731035*
Permit #: *13-676049*

DOOR SCHEDULE

DOOR TYPES:

0 ITEM: EXISTING DOOR TO REMAIN

ALL DOORS NOT REFERENCED ARE EXISTING TO REMAIN. TOUCH UP/REPAIR AS NECESSARY. ALL NEW DOORS SHALL MATCH EXISTING.

1 ITEM: NEW ENTRY/ EXIT DOOR
MATERIAL: BUILDING STANDARD SOLID CORE OAK DOOR SIZE: 3'-0"W X 8'-4"H, 1 ¾" THICK
FINISH: STAINED
FRAME MATERIAL: HOLLOW METAL FRAME, PAINTED
RATING: NON-RATED

2 ITEM: NEW INTERIOR DOOR
MATERIAL: BUILDING STANDARD SOLID CORE OAK DOOR
SIZE: 3'-0"W X 8'-4"H, 1 ¾"THICK
FINISH: STAINED
FRAME MATERIAL: HOLLOW METAL FRAME, PAINTED
RATING: NON-RATED.

3 ITEM: RELOCATED INTERIOR DOOR
MATERIAL: BUILDING STANDARD SOLID CORE OAK DOOR
SIZE: 3'-0"W X 8'-4"H, 1 ¾"THICK
FINISH: STAINED
FRAME MATERIAL: EXISTING HOLLOW METAL FRAME, PAINTED.
RATING: NON-RATED.

Hardware Types:

HARDWARE STANDARD

MFG: BUILDING STANDARD: SCHLAGE OR APPROVED EQUAL.
DESIGN: LEVER TYPE HANDLE (MATCH EXISTING)
FINISH: US26 D (MATCH EXISTING)

A ITEM: NEW ENTRY/EXIT DOOR HARDWIRE INCLUDING NEW LEVER LOCKSET: INCLUDING LEVER HANDLE, BUTT HINGES, STRIKE PLATE, SILENCER & WALL MOUNTED DOOR STOP.

B ITEM: NEW AND/OR RELOCATED INTERIOR LEVER LOCKSET INCLUDING LEVER HANDLE, BUTT HINGES, STRIKE PLATE, SILENCER, CLOSER & WALL MOUNTED DOOR STOP.

C ITEM: NEW INTERIOR LEVER PASSAGE INCLUDING LEVER HANDLE BUTT HINGES, STRIKE PLATE, SILENCER & WALL MOUNTED DOOR STOP.

D ITEM: NEW INTERIOR LEVER LOCKSET W/ CLOSER: INCLUDING LEVER HANDLE, BUTT HINGES, STRIKE PLATE, SILENCER, CLOSER & WALL MOUNTED DOOR STOP. PROVIDE PRIVACY LOCKSET AT RESTROOM DOOR (UNO).

E ITEM: NEW AND/OR RELOCATED INTERIOR LEVER PASSAGE SET INCLUDING LEVER HANDLE, BUTT HINGES, STRIKE PLATE, SILENCER, & WALL MOUNTED DOOR STOP.

F ITEM: NEW INTERIOR LEVER PASSAGE INCLUDING LEVER HANDLE BUTT HINGES, STRIKE PLATE, CLOSER, SILENCER & WALL MOUNTED DOOR STOP.

Doors

1. All new interior doors to have a minimum 1/2" undercut. Field verify all door opening heights prior to cutting doors.
2. Exit doors shall be openable from the inside without the use of a key or any special knowledge or effort. Manually operated edge or surface mounted flush bolts are prohibited. In group 'A', 'B', 'F', 'M', and 'S' and church types occupancies, key locking hardware may be used on the main exterior exit doors if there is a visible sign over the door stating "These doors to remain unlocked when building is occupied."
3. Touch up stain on all existing wood door frames and trim as necessary. Repaint or touch up all existing metal doors and frames as necessary.

Door Hardware

4. Relocated door hardware and new door hardware shall include: passage or lockset, 1 ½ pair of butts and door stop (either wall mounted or floor mounted as applicable). All hardware shall have the same finish. General contractor shall provide if applicable missing components listed above as required for new construction. All hardware new and/or relocated must be installed in accordance with manufacturer instructions. All entry and exit doors shall have a closer (unless noted otherwise). All doors shall have a door stop at all interior doors, door mounted wherever possible and wall mounted where not. Door stop shall match specified hardware.
5. All new and relocated doors shall have lever hardware (unless noted otherwise) in order to conform to current ADA and handicapped requirements. If hardware must be changed out, use existing cores if possible.
6. Coordinate with tenant for all master key or separate key requirements.

Glazing

7. If existing glass to be reused and is not tempered glass, replace with tempered glass if window is within 24" of the doorway.
8. All glazing within 24" of the doorway shall be tempered.
9. Touch up or repaint existing exterior window frames, mullions, and sills as necessary in areas of new construction.
10. All glazing to be installed in 1" aluminum U-channel at head/sill. All butt glazing, joints/seams shall have clear silicone caulking applied.

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mhalder.aps12@gmail.com

NNL ARCHITECTURE
8320 clarabelle dr arvada, co 8002
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STATE OF COLORADO
ERIN H. LACERO
LICENSED ARCHITECT

NEURO CLINIC OF COLORADO LLC
1400 SOUTH POTOMAC STREET
AURORA, COLORADO 80012
LEVEL TWO SUITE 220

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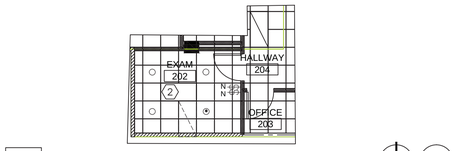
PERMIT

PROJECT NO.: 1400-2001
DRAWN BY: MH / JG

TITLE:
DOOR SCHEDULE
FINISH PLAN
FINISH SCHEDULE

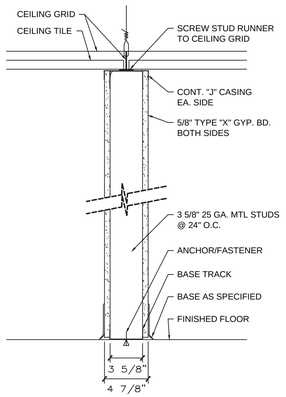
SHEET NO:
A2



3 REFLECTED CEILING PLAN ALTERNATE

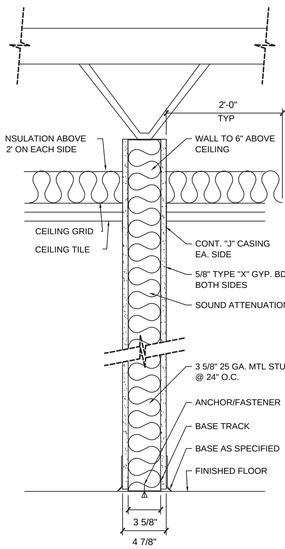
SCALE 1/8"=1'-0"

PLAN NORTH TRUE NORTH



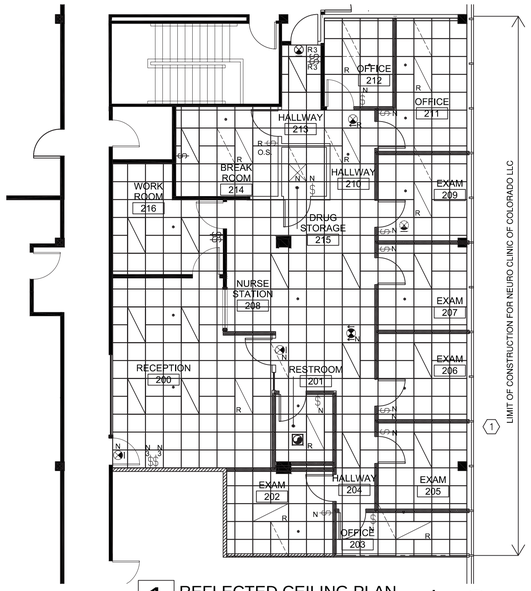
4 INTERIOR PARTITION

SCALE 1 1/2"=1'-0"



5 SOUND PARTITION

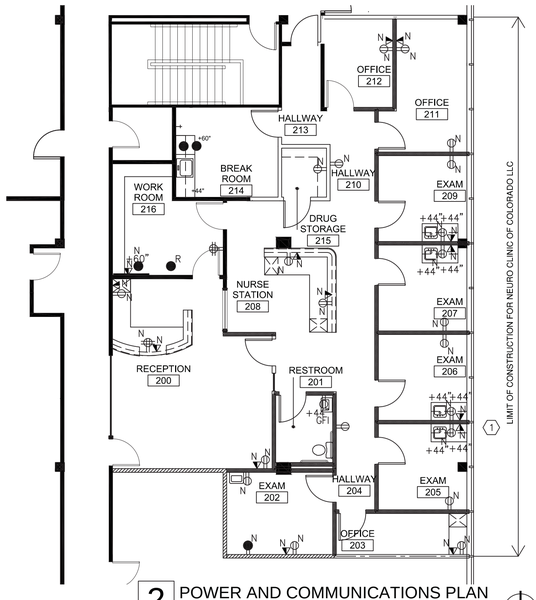
SCALE 1 1/2"=1'-0"



1 REFLECTED CEILING PLAN

SCALE 1/8"=1'-0"

PLAN NORTH TRUE NORTH



2 POWER AND COMMUNICATIONS PLAN

SCALE 1/8"=1'-0"

PLAN NORTH TRUE NORTH

KEYED NOTES

1. REWORK CEILING SYSTEM AT NEW SOUND PARTITIONS AS NECESSARY DUE TO NEW CONSTRUCTION. BREAK CEILING SYSTEM AT NEW PARTITIONS AS NECESSARY FOR SOUND ATTENUATION. PATCH/REPAIR GRID/TILE (MATCH EXISTING).

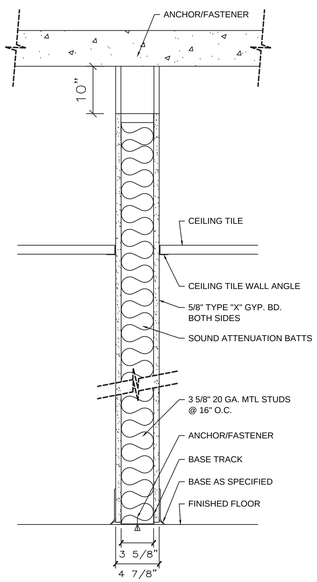
2. AS AN ALTERNATE: NEW DIMMABLE CAN LIGHT FIXTURES AT LOCATION SHOWN. FURNISH AND INSTALL MINIMUM OF (4) CAN LIGHTS. REFER TO ELECTRICAL ENGINEERING PLANS.

REFLECTED CEILING PLAN SYMBOLS

- 2x4 FLUORESCENT LIGHT FIXTURE W/ PRISMATIC LENS
- 2x2 NEW FLUORESCENT LIGHT FIXTURE W/ PRISMATIC LENS
- 6" DOWN LIGHT (ALTERNATE)
- EXHAUST FAN
- EXIT SIGN
- $ SINGLE POLE SWITCH
- $$ DUAL POLE SWITCH
- O.S. OCCUPANCY SENSOR
- SPRINKLER HEAD
- DASHED SYMBOLS INDICATE FIXTURES TO BE REMOVED
- N NEW FIXTURE
- R NEW LOCATION OF RELOCATED FIXTURE
- REFER TO ELECTRICAL ENGINEERING PLAN

ELECTRICAL SYMBOLS

- DUPLEX ELECTRICAL RECEPTACLE
- QUADPLEX ELECTRICAL RECEPTACLE
- DUPLEX ELECTRICAL RECEPTACLE ON DEDICATED CIRCUIT
- COMBINATION TELEPHONE/DATA JACK
- N NEW ELECTRICAL FIXTURE
- R NEW LOCATION OF RELOCATED FIXTURE
- GFI GROUND FAULT PROTECTED RECEPTACLE
- REFER TO ELECTRICAL ENGINEERING PLAN



6 DEMISING PARTITION

SCALE 1 1/2"=1'-0"

REFLECTED CEILING AND POWER PLAN GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO FABRICATION INSTALLATION. COORDINATE LOCATION OF LIGHTING, PIPING, EQUIPMENT AND DUCTWORK WITH OTHER BUILDING COMPONENTS SUCH AS CEILING, STRUCTURAL ELEMENTS, OTHER LIGHTS, PIPES AND CONDUITS, AUDIOVISUAL EQUIPMENT, AND WORK WITH OTHER TRADES
2. THE CONTRACTOR SHALL VERIFY PROPER OPERATION OF EXISTING DUCTWORK IN THE EVENT THAT THE CONTRACTOR HAS OBSERVED SYSTEM FAILURE OR DEFECTS; NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY FOR FURTHER DIRECTION.
3. ALL ABANDONED HVAC SYSTEMS AND COMPONENTS WITHIN THE AREA OF CONSTRUCTION SHALL BE REMOVED AND ALL DUCT CONNECTIONS PATCHED, CAPPED AND/OR SEALED.
4. THE CONTRACTOR SHALL VERIFY AND MAKE ANY NECESSARY CHANGES TO THERMOSTATS FOR PROPER CONTROL OF THE APPROPRIATE TERMINAL UNIT OR CONTROL VALVE.
5. AIR TESTING, ADJUSTMENTS AND BALANCING SHALL COMPLY WITH THE FOLLOWING:
   a. TEST AND MAKE TIGHT ALL WORK
   b. ADJUST AND BALANCE TERMINAL UNITS, DIFFUSERS, DAMPERS AND REGISTERS TO PROVIDE DESIGN CONDITION AIR FLOW OR TO THE AIR QUANTITIES SHOWN IN THE DRAWINGS (IF PROVIDED)
   c. BALANCE WORK SHALL BE PERFORMED IN ACCORDANCE WITH NEBB STANDARDS BY A CERTIFIED CONTRACTOR
6. ALL ALTERATION AND/OR ADDITIONS TO THE EXISTING HVAC, PLUMBING AND ELECTRICAL SHALL BE DESIGNED AND MODIFIED BY MECHANICAL/ELECTRICAL ENGINEER. REVIEW WILL BE REQUIRED BY LANDLORD PRIOR APPROVAL OF DESIGN AND COMMENCEMENT OF WORK. SUBMIT AS REQUIRED BY THE SPECIFICATIONS OF THE PROJECT SCOPE.
7. THE GENERAL CONTRACTOR SHALL VERIFY CEILING HEIGHT AND CLEARANCES ABOVE CEILING TO THE UNDERSIDE OF STRUCTURE ABOVE FOR INSTALLATION OF DUCTWORK AND DIFFUSERS; CONDUITS AND JUNCTION BOXES; FIRE SPRINKLER PIPES AND HEADS; AND LIGHT FIXTURES. ALL WORK SHALL BE COORDINATED BY ALL TRADES TO AVOID INTERFERENCE WITH METHODS OF INSTALLATION. NOTIFY DESIGNER OF CONFLICTS IMMEDIATELY AND PRIOR TO COMMENCING WITH CONSTRUCTION.
8. INSTALL ALL NEW LIGHT FIXTURES, SPRINKLER HEADS, DIFFUSERS, SPEAKERS, DETECTORS/ALARMS, ETC. IN THE CENTER OF THE CEILING BOARD OR SECTION AND SYMMETRICAL THROUGHOUT ROOMS AND OPEN AREAS, UNLESS NOTED OTHERWISE.
9. IF NOT INDICATED WITHIN THESE DOCUMENTS, THE CONTRACTOR SHALL PROVIDE ENGINEERED DRAWINGS FOR ALTERATIONS/ADDITIONS TO THE EXISTING FIRE PROTECTION SYSTEM(S) AS REQUIRED TO OBTAIN A PERMIT FOR CONSTRUCTION. EXISTING CONDITIONS MAY BE SHOWN ON THE DRAWINGS AND ARE FOR REFERENCE ONLY.
10. RELOCATE AND/OR ADD FIRE SPRINKLER HEADS AS REQUIRED FOR NEW CONDITIONS AS SHOWN ON THE DRAWINGS.
    a. REWORK AND/OR ADD TO EXISTING PIPES, FITTINGS, HANGARS, AND SUPPORT AS NECESSARY FOR NEW SPRINKLER HEAD LOCATIONS
    b. DESIGN STANDARDS, MATERIALS AND WORKMANSHIP SHALL CONFORM TO EXISTING CONDITIONS
    c. INSTALL NEW SPRINKLER HEAD LOCATIONS IN THE CENTER OF THE CEILING BOARD OR SECTION AND SYMMETRICAL THROUGHOUT ROOMS AND OPEN AREAS
11. UNLESS NOTED OTHERWISE ALL NEW/EXISTING SUSPENDED CEILING SYSTEMS SHALL BE AT 8'-6". PATCH AND REPAIR AND/OR ADD NEW TILES/GRID DUE TO STAINED, SOILED, DAMAGED, AND/OR NEW CONSTRUCTION CONDITIONS. MATCH TO EXISTING SPECIFICATIONS/TILE SIZE. TILE SPECIFICATION: MATCH EXISTING TILE, ARMSTRONG OPTIMA ,OR APPROVED EQUAL THROUGHOUT (U.N.O.).
12. EMERGENCY LIGHTING, INDICATED AS SHADED, SHALL BE CONNECTED TO THE BUILDING BACK-UP POWER SYSTEM OR MAY BE SUPPLIED WITH BATTERY BACK-UP POWER IN ACCORDANCE WITH THE CODE.
13. ALL FIXTURES SHALL BE SUPPORTED FROM THE STRUCTURE OR ATTACHED TO THE SUSPENDED CEILING GRID WITH APPROVED CUPS OR FASTENERS MEETING CODE REQUIREMENTS.
14. ALL LIGHT FIXTURES THROUGHOUT ARE EXISTING UNLESS NOTED OTHERWISE: (N) INDICATES NEW FIXTURE/DEVICE; (R) INDICATES RELOCATED FIXTURE/DEVICE.RE: ELECTRICAL ENGINEERING PLANS.
15. SWITCHING SHALL BE AS FOLLOWS (REFER TO ELECTRICAL ENGINEERING PLANS):
    a. AS PER EXISTING CONDITIONS UNLESS NOTED OTHERWISE
    b. UNLESS NOTED OTHERWISE ROOMS TO BE SWITCHED LOCALLY TO ROOM
    c. REWORK/ UPDATE ALL SWITCHING AS NECESSARY TO OCCUPYING SENSOR DEVICE AS PER BUILDING CODE REQUIREMENTS
17. EXIT LIGHTING TO REMAIN AS IS. REPLACE DAMAGED UNITS AND/OR PROVIDE NEW AS SHOWN. (N) INDICATES NEW FIXTURE/DEVICE. (R) INDICATES RELOCATED FIXTURE/DEVICE.
18. MODIFY FIRE ALARM/SMOKE DETECTOR SYSTEM AS REQUIRED TO CONFORM WITH THESE DRAWINGS/DOCUMENTS AND PER BUILDING CODE REQUIREMENTS. REFER TO ELECTRICAL ENGINEERING PLANS
19. ALL ELECTRICAL OUTLETS, DEVICES AND TELEPHONE/DATA COMMUNICATION RECEPTACLES ARE EXISTING(UNLESS NOTED OTHERWISE)
20. MODIFY EXISTING ELECTRICAL POWER SYSTEMS AS REQUIRED TO CONFORM TO THESE PLANS AND BUILDING DEPARTMENT CODE REQUIREMENTS. REFER TO ELECTRICAL ENGINEERING PLANS..

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Richard LaCoste*
Date: ***Jul 23, 2013***
2006 INTERNATIONAL CODES & 2008 NEC

RSN: ***731035***
Permit #: ***13-676049***

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STATE OF COLORADO
ERIN H. LIGERO
LICENSED ARCHITECT

NEURO CLINIC OF COLORADO LLC
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LEVEL TWO SUITE 220

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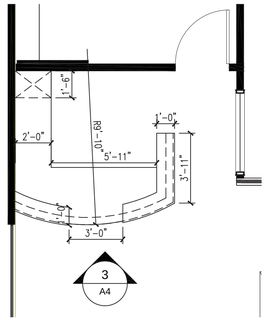
- PERMIT
- PERMIT
- PERMIT

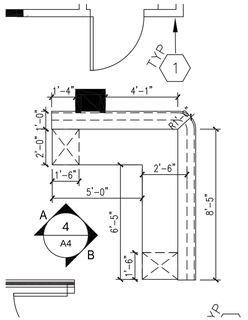
PROJECT NO.: 1400-2001
DRAWN BY: MH / JG

TITLE:
REFLECTED CEILING PLAN
POWER PLAN

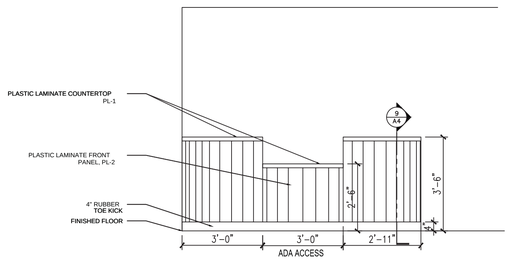
SHEET NO:
A3



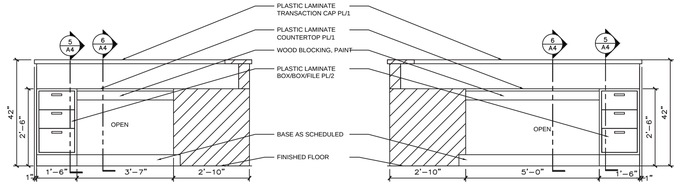
1 PLAN RECEPTION DESK
SCALE 1/4"=1'-0"



2 PLAN NURSE'S STATION
SCALE 1/4"=1'-0"

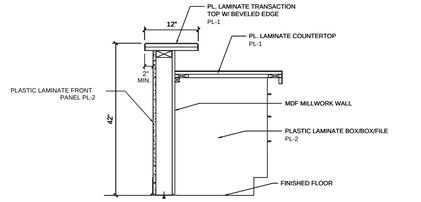


3 ELEVATION RECEPTION DESK
SCALE 3/8"=1'-0"

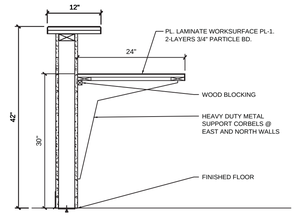


4A ELEVATION NURSES STATION
SCALE 3/8"=1'-0"

4B ELEVATION NURSES STATION
SCALE 3/8"=1'-0"



5 SECTION MILLWORK
SCALE 3/4"=1'-0"



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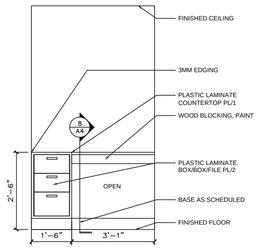
SCALE 3/4"=1'-0"



7 ELEVATION WORKSURFACE
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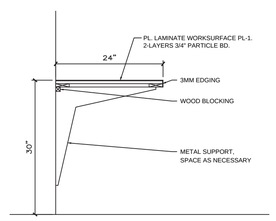
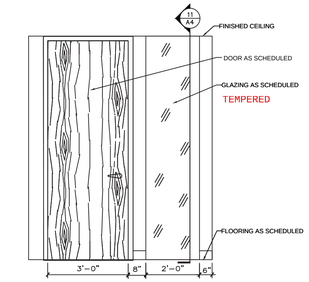
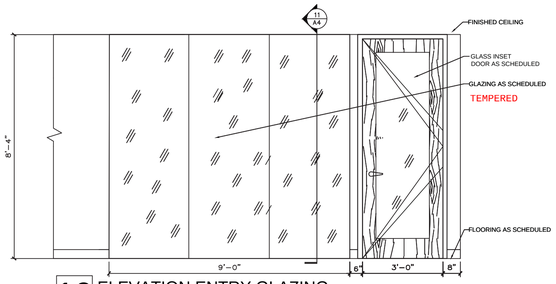


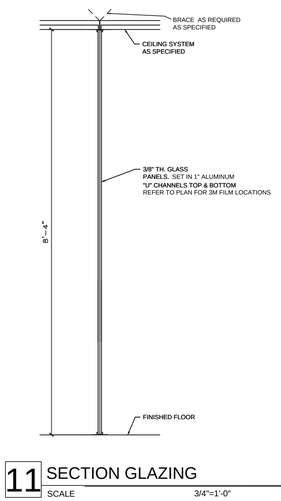
8 SECTION WORKSURFACE
SCALE 3/4"=1'-0"



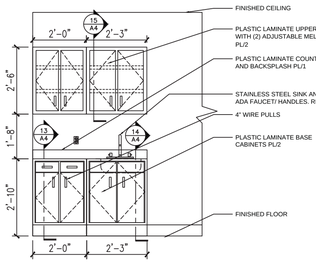
9 ELEVATION SIDELITE
SCALE 3/8"=1'-0"



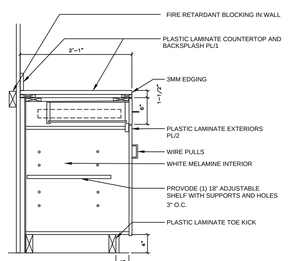
10 ELEVATION ENTRY GLAZING
SCALE 3/8"=1'-0"



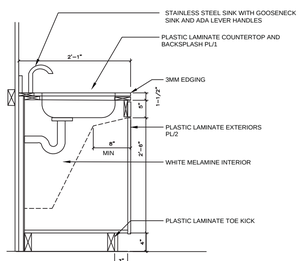
11 SECTION GLAZING
SCALE 3/4"=1'-0"



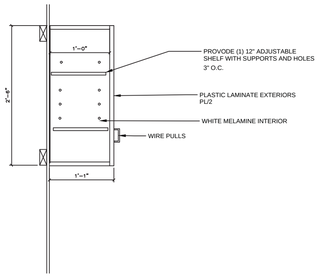
12 ELEVATION EXAM MILLWORK
SCALE 3/8"=1'-0"



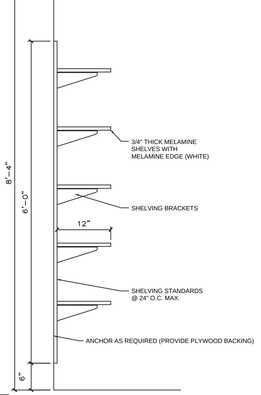
13 SECTION EXAM MILLWORK
SCALE 3/4"=1'-0"



14 SECTION EXAM MILLWORK
SCALE 3/4"=1'-0"



15 SECTION EXAM MILLWORK
SCALE 3/4"=1'-0"



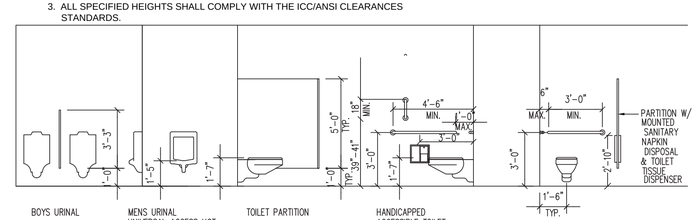
16 SECTION SHELVING
SCALE 3/4"=1'-0"

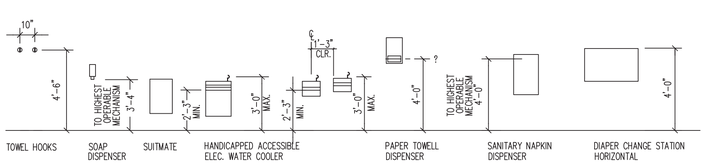
* PRIOR TO FABRICATION, G.C. SHALL PROVIDE MILLWORK SHOP DRAWINGS FOR REVIEW/ APPROVAL

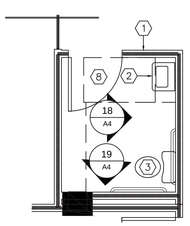
City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Richard LaCoste*
Date: *Jul 23, 2013*
2006 INTERNATIONAL CODES & 2008 NEC

EQUIPMENT AND ACCESSORY MOUNTING:

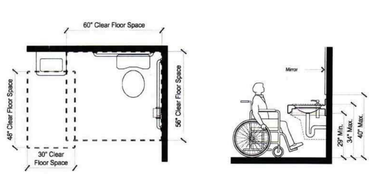
1. HEIGHTS SHOWN ARE RECOMMENDATIONS BASED ON THE ADA. INSTALL MEETING THESE MINIMUM REQUIREMENTS. REFER TO MANUFACTURE FOR ADDITIONAL INFORMATION AND MOUNTING HEIGHTS.
2. PROVIDE MANUFACTURER'S RECOMMENDED SUP-SURFACE AND SUPPORT REINFORCEMENT.
3. ALL SPECIFIED HEIGHTS SHALL COMPLY WITH THE ICC/ANSI CLEARANCES STANDARDS.

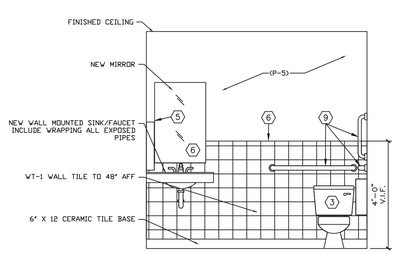




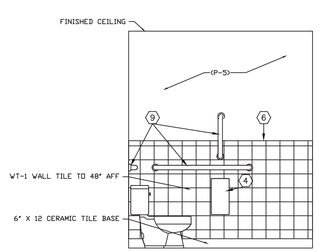


17 PLAN UNISEX RESTROOM
SCALE 1/4"=1'-0"





18 ELEVATION UNISEX RESTROOM
SCALE 1/4"=1'-0"



19 ELEVATION UNISEX RESTROOM
SCALE 1/4"=1'-0"

LEVEL ONE CONSTRUCTION PLAN KEYED NOTES

1. NEW NON-RATED SOUND PARTITION RE: DETAIL 1/A4
2. NEW ADA WALL HUNG SINK/LEVER TYPE FAUCET MOUNTED AT 34" A.F.F. INCLUDE WRAPPING ALL EXPOSED PIPES. MATCH EXISTING BUILDING STANDARD SPEC./COLOR. RE: PLUMBING PLAN.
3. NEW ADA WATER CLOSET. RE: PLUMBING PLAN.
4. NEW TOILET PAPER DISPENSER, SPECIFY BOBRICK B-2888
5. NEW PAPER TOWEL/TRASH DISPENSER. SPECIFY BOBRICK B-359
6. NEW 36" HIGH X FULL LENGTH MIRROR MOUNTED ABOVE LAV COUNTERTOP. SPECIFY BOBRICK B-165.
7. NEW 2" X 4" WALL TILE FROM FLOOR TO 48". PROVIDE AN ALLOWANCE OF $5.00 SQ/FT.
8. NEW INTERIOR DOOR AS SHOWN. REFER TO CONSTRUCTION PLAN.
9. NEW ADA GRAB BARS, SPECIFY BOBRICK OR APPROVED EQUAL.

* ALL ACCESSORIES AND EQUIPMENT SHALL BE INSTALLED TO COMPLY WITH ADA STANDARDS.

RSN: *731035*
Permit #: *13-676049*

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8320 clarabelle dr arvada, co 8002
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ERIN K. LACOSTE
LICENSED ARCHITECT

NEURO CLINIC OF COLORADO LLC
1400 SOUTH POTOMAC STREET
AURORA, COLORADO 80012
LEVEL TWO SUITE 220

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ISSUED FOR:
DATE: 7/5/13
SCHEMATIC DESIGN
DESIGN DEVELOP.
TEAM MEETING
PERMIT
PERMIT
PERMIT
PERMIT
PERMIT
PERMIT

PROJECT NO.: 1400-2001
DRAWN BY: MH / JG

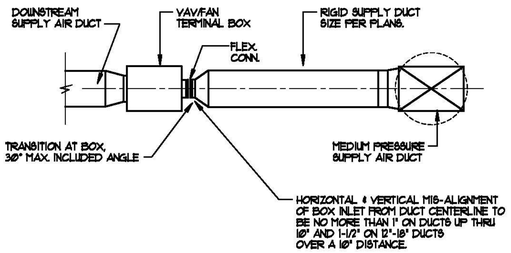
TITLE: DETAILS

SHEET NO: A4

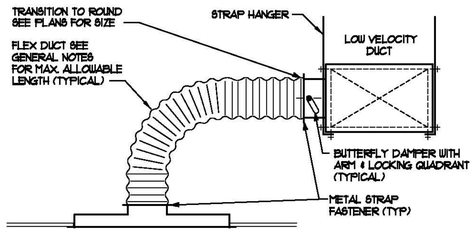
FAN SCHEDULE (EF, VF, SF)

PLAN CODE	SERVICE	TYPE	CFM	ESP IN WC (S.L.)	FAN RPM	MOTOR HP	MOTOR VOLTAGE & PHASE	SCNES	DAMPER, GRAVITY/ MOTORIZED	METHOD OF CONTROL	OPENING SIZE	ISOLATION	SIZE (INCHES) L x W (OR DIA)	SIZE (INCHES) H	SIZE (INCHES) OPER WT LBS	MANUFACTURER & MODEL NO.	PLAN CODE
EF-1	TOILET	CEILING MOUNTED	100	0.625	-	50 W	120/1	-	G	LIGHT SWITCH	8X8	NO	14X12	12	25	GREENHECH MODEL SP-A200	EF-1

ACCESSORIES:
1. PROVIDE BACKDRAFT DAMPER WITH FAN.



3 VAV BOX DUCT ALIGNMENT
SCALE: NONE



2 DIFFUSER INSTALLATION DETAIL
SCALE: NONE

AIR DEVICE SCHEDULE

PLANCODE — NECK SIZE / CFM

PLAN CODE	TYPE & SERVICE	NECK SIZE	MOUNTING TYPE	FACE SIZE	VOLUME DAMPER	MATERIAL	MANUFACTURER & MODEL NO.	REMARKS	PLAN CODE
A	(2) 1" SLOTS- 4'-0" LONG SUPPLY SLOT	AS NOTED	LAY-IN	48X4	NO	STEEL	TRANE LINR (2SLW)		A
B	RETURN AIR GRILLE	22X22	LAY-IN	24X24	NO	STEEL	TITUS FAR		B

NOTE: 1. COLOR BY ARCHITECT FOR ALL GRILLES, REGISTERS & DIFFUSERS

VAV TERMINAL SCHEDULE (VAV)

PLAN CODE	MAX CFM	MIN CFM	WIDE OPEN SP ("WC)	INLET SIZE	OUTLET SIZE ("W x "H)	RADIATED NC AT 1" SP	SIZE L (IN)	SIZE W (IN)	SIZE H (IN)	REMARKS	PLAN CODE
A	250	25	0.43	4"ø	9x9	20	11	10	10	TRANE VCCF 05	A
B	550	55	0.64	8"ø	9x9	23	11	10	10	TRANE VCCF 08	B
C	1000	100	0.42	10"ø	11x9	21	11	12	10	TRANE VCCF 10	C
D	1600	160	0.37	12"ø	13x11	22	13	14	13	TRANE VCCF 12	D
E	2300	230	0.39	14"ø	15x14	24	13	16	15	TRANE VCCF 14	E

ACCESSORIES:
1. F.O. = FLAT OVAL
2. MINIMUM AIR FLOW AT BOXES SHALL BE 25% OF PRIMARY AIR.
3. PROVIDE PNEUMATIC CONTROLS AND COOLING ONLY THERMOSTAT.

VAV BOX CODE / COOLING CFM

OUTSIDE AIR SCHEDULE

Zone Occupancy	Occupant Load (People/1000sf)	Outdoor Air Flow Rate/person (Rp)	Zone Population (Pz)	Outdoor Air Flow Rate Req'd/Area (Ra)	Floor Area (Az)	Zone Area Distribution Effectiveness (Ez)	Calc Zone Outdoor Air Flow (CFM)	Design Zone Outdoor Air Flow (CFM)	Total Air Provided (CFM)
Recpt #200	30	5	10	0.06	340	0.8	89	125	500
Exam #202	5	5	1	0.06	110	0.8	12	31	125
Office #203	5	5	0	0.06	75	0.8	8	42	170
Exam #205	5	5	1	0.06	100	0.8	11	65	260
Exam #206	5	5	1	0.06	100	0.8	11	65	260
Exam #207	5	5	1	0.06	100	0.8	11	65	260
Nurse #208	5	5	2	0.06	310	0.8	33	75	300
Exam #209	5	5	1	0.06	100	0.8	11	65	260
Office #211	5	5	1	0.06	120	0.8	13	85	340
Office #212	5	5	0	0.06	80	0.8	9	31	125
Break #213	5	5	1	0.06	115	0.8	12	42	170
Work #216	5	5	1	0.06	145	0.8	15	42	170
								OK	

- THE OUTSIDE AIR QUANTITY IS BASED ON 2009 IMC, SECTION 403, TABLE 403.3. 2009 OUTDOOR AIR REQUIREMENTS FOR VENTILATION RATES IN BREATHING ZONE $V_{oz} = V_{bz}/E_z$; $V_{bz} = R_p(P_z) + R_a(A_z)$
- BALANCE THE OUTSIDE AIR ON BUILDING OUTSIDE AIR DAMPER TO 25 PERCENT.½

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Richard LaCoste*
Date: *Jul 23, 2013*
2006 INTERNATIONAL CODES & 2008 NEC

RSN: *731035*
Permit #: *13-676049*

GENERAL NOTES

1. PERFORM WORK IN ACCORDANCE WITH THE LATEST EDITION OF ALL RULES, REGULATIONS AND CODES OF THE STATE OF COLORADO AND JURISDICTIONAL REQUIREMENTS.
2. THE MECHANICAL DRAWINGS INDICATE THE GENERAL DESIGN AND ARRANGEMENT OF LINES, EQUIPMENT, SYSTEM, ETC. INFORMATION SHOWN IS DIAGRAMMATIC IN CHARACTER AND DOES NOT INDICATE EVERY REQUIRED OFFSET, FITTING, ETC. DO NOT SCALE FOR DIMENSIONS.
3. THIS CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL WORK UNDER HIS CONTRACT WITH ALL OTHER BUILDING TRADES.
4. SOME ASSUMPTIONS WERE MADE REGARDING DUCT CONFIGURATION DURING DESIGN. THIS CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL FIELD CONDITIONS PRIOR TO THE PURCHASE OF ANY MATERIALS AND COMMENCEMENT OF ANY WORK AND IS TO NOTIFY THE ARCHITECT OF ANY DISCREPANCIES FOR RESOLUTION.
5. MECHANICAL CONTRACTOR TO VERIFY OPERATION AND CONDITION OF ALL EQUIPMENT BEING UTILIZED. IF EQUIPMENT IS NOT IN WORKING ORDER, CONTRACTOR TO NOTIFY ARCHITECT TO GET DIRECTION TO MAKE NECESSARY REPAIRS TO SUCH EQUIPMENT TO MAKE EQUIPMENT OPERATIONAL.
6. PROVIDE SUFFICIENT ACCESS TO SERVICE ALL MECHANICAL EQUIPMENT.
7. MAINTAIN ONE SET OF RED-LINE AS-BUILT DRAWINGS ON JOB SITE. SUBMIT TO ARCHITECT AT COMPLETION OF ALL WORK.
8. SUBMIT SHOP DRAWINGS OF ALL EQUIPMENT TO ARCHITECT. IN ADDITION, SUBMIT THE FOLLOWING INFORMATION TO THE ARCHITECT AT COMPLETION OF WORK.
   A. OPERATION AND MAINTENANCE MANUAL
   B. TESTING AND BALANCING DATA
   C. CERTIFICATION OF FINAL INSPECTION
9. ALL EQUIPMENT, MATERIALS AND INSTALLATION IS TO BE WARRANTEED FOR ONE YEAR TO BE FREE FROM DEFECT. PROVIDE WRITTEN WARRANTY TO OWNER.
10. PROVIDE NOISE AND VIBRATION ISOLATION FOR ALL EQUIPMENT. PROVIDE 1/2" (R-5) ACOUSTIC LINER FOR ALL SHEET METAL SUPPLY AIR DUCTWORK AND 1/2" FOR ALL SHEETMETAL EXHAUST DUCTWORK. PROVIDE FLEX CONNECTIONS AT ALL EQUIPMENT INLETS AND OUTLETS.
11. ALL DUCTWORK TO BE OF SHEETMETAL CONSTRUCTION PER SMACNA STANDARDS FOR LOW PRESSURE DISTRIBUTION. PROVIDE ALL VOLUME DAMPERS AND TURNING VANES NECESSARY FOR A COMPLETE AND FUNCTIONAL SYSTEM. COORDINATE SHEETMETAL LAYOUT WITH ALL OTHER TRADES PRIOR TO ANY FABRICATION. NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO PROCEEDING WITH WORK.
12. ALL CONTROL WORK TO BE PER MECHANICAL EQUIPMENT LIST. PROVIDE ANY NECESSARY TRANSFORMERS FOR LOW VOLTAGE CONTROL CIRCUITS. LOW VOLTAGE (24v) WIRING TO BE BY M.C.
13. AT THE COMPLETION OF WORK, PROVIDE TESTING AND BALANCING SERVICES FOR MECHANICAL SYSTEMS. AT COMPLETION OF WORK, SUBMIT WRITTEN REPORT TO ARCHITECT LISTING DIFFUSER AIR FLOWS AND VARIABLE AIR VOLUME BOX FLOWS, WATER FLOWS, ELECTRIC DATA, TEMPERATURES AND PRESSURE DROPS.
14. M.C. TO BE RESPONSIBLE FOR ALL MOTOR STARTERS.
15. COORDINATE DIFFUSER AND GRILLE PLACEMENT WITH CEILING AND LIGHTING INSTALLATION FOR CONSISTENT AND FUNCTIONAL PATTERN.
16. ALL DUCTWORK SIZES ARE CLEAR INSIDE DIMENSIONS. INCREASE SHEETMETAL ACCORDINGLY TO ACCOMMODATE DUCT LINER.
17. RETURN AIR PLENUM IS REQUIRED TO MEET THE REQUIREMENTS OF SECTION 602 OF THE INTERNATIONAL MECHANICAL CODE. ALL NEW AND EXISTING EXPOSED MATERIALS SHALL BE NON-COMBUSTIBLE OR HAVE A FLAME SPREAD INDEX OF NOT MORE THAT 25/50.
18. ALL FLEXIBLE DUCTWORK SHALL BE INSULATED WITH 1" (R-5) FIBERGLAS WRAP AND THE MAXIMUM LENGTH IS NOT TO EXCEED 5'-0".
19. ALL RIGID ROUND DUCTWORK SHALL BE SHEETMETAL WITH A MINIMUM OF 1-1/2" (R-5) FIBERGLAS WRAP. SEAL PER SMACNA RECOMMENDATION.
20. INSTALL ALL THERMOSTAT AND SWITCHES WHERE SHOWN ON PLANS AT 48" AFF. COORDINATE LOCATION WITH ELECTRICAL CONTRACTOR.
21. PROVIDE ALTERNATE PRICE TO INSTALL 24x12 FIBREBOARD DUCT WITH ELBOW ON ALL NEW 24X24 RETURN AIR GRILLE FOR OWNER REVIEW.

MECHANICAL LEGEND

NOTE: NOT ALL ITEMS MAY APPEAR ON DRAWINGS

SYMBOL	ABBREV.	DESCRIPTION
	FLEX	FLEXIBLE DUCTWORK
T	TSTAT	THERMOSTAT
	(E)	EXISTING DUCTWORK TO REMAIN
		EXISTING DUCTWORK TO BE REMOVED
		SUPPLY AIR DUCT UP
		RETURN, EXHAUST OR OUTSIDE AIR DUCT UP
		SUPPLY AIR DUCT DOWN
		RETURN, EXHAUST OR OUTSIDE AIR DUCT DOWN
	FLEXCON	FLEX DUCT CONNECTION
		ELBOW W/TURNING VANES
	MVD	MANUAL VOLUME DAMPER
	SPIN-IN	SPIN-IN FITTING W/MVD
UC — 1"	UC	UNDERCUT DOOR W/UNDERCUT HEIGHT
		CEILING OR DUCT ACCESS PANEL
		NEW CONNECTION TO EXISTING MECHANICAL

COLORADO REGISTERED PROFESSIONAL ENGINEER 29057
07/08/2013

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AURORA, COLORADO 80012
LEVEL TWO SUITE 220

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ISSUED FOR:
DATE: 02/21/2013
- SCHEMATIC DESIGN
- DESIGN DEVELOP.
- TEAM MEETING
- PERMIT
- PERMIT
- PERMIT
- PERMIT
- PERMIT
- PERMIT

PROJECT NO.: POB-205
DRAWN BY:

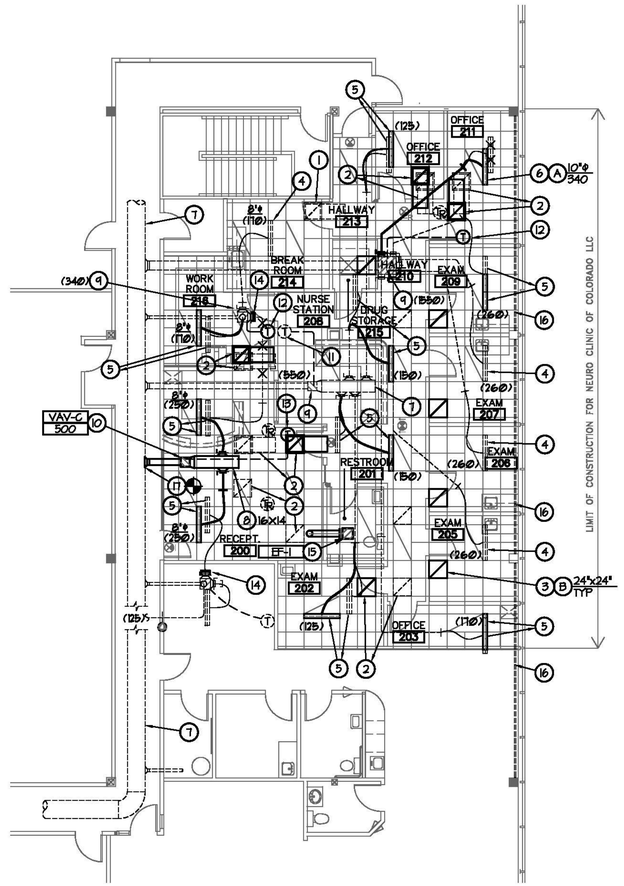
TITLE:
MECHANICAL NOTES, LEGEND AND DETAILS

SHEET NO:
2M1.1

PLOTTED BY: dayton DATE/TIME: Jul 08, 2013, 12:46PM
DRAWINGS PATH/NAME: F:\Projects\10001-02 medical office\2m11.dwg

KEY NOTES

1. EXISTING RETURN AIR GRILLE TO REMAIN. (TYPICAL)
2. RELOCATE EXISTING RETURN AIR GRILLE AS SHOWN. (TYPICAL)
3. RETURN AIR GRILLES/EXHAUST REGISTER. SEE AIR DEVICE SCHEDULE FOR MANUFACTURE AND TYPE. (TYPICAL).
4. EXISTING SUPPLY AIR DEVICE TO REMAIN. BALANCE TO AIR QUANTITY AS INDICATED (TYPICAL).
5. RELOCATE EXISTING SUPPLY AIR DIFFUSER AS SHOWN. EXTEND EXISTING FLEX/RIGID ROUND AS REQUIRED TO ACCOMMODATE NEW DIFFUSER LOCATION. BALANCE TO AIR QUANTITY AS INDICATED (TYPICAL).
6. SUPPLY AIR DIFFUSER. SEE AIR DEVICE SCHEDULE FOR TYPE. REMOVE EXISTING DIFFUSER, SPIN-IN AND DUCTWORK AND PROVIDE NEW SPIN-IN FITTING WITH MANUAL VOLUME DAMPER, FLEXIBLE DUCTWORK AND RIGID ROUND DUCTWORK. BALANCE TO AIR QUANTITY AS INDICATED.
7. (E) DUCTWORK TO REMAIN. (TYPICAL)
8. LOW PRESSURE SUPPLY AIR DUCTWORK SHALL BE SHEETMETAL WITH LINER PER GENERAL NOTES. INDICATED SIZE IS CLEAR INSIDE DIMENSIONS.
9. (E) VARIABLE AIR VOLUME BOX TO REMAIN. BALANCE TO AIR QUANITITY AS INDICATED. (TYPICAL)
10. NEW VARIABLE AIR VOLUME BOX. INSTALL PER MANUFACTURES RECOMMENDATIONS. BALANCE TO AIR QUANITITY AS INDICATED.
11. (E) THERMOSTAT TO REMAIN.
12. NEW LOCATION OF (E) THERMOSTAT. MOUNT T-STAT 48" AFF.
13. NEW THERMOSTAT MATCH BUILDING STANDARD. MOUNT T-STAT 48" AFF. (TYPICAL)
14. CAP EXISTING DUCTWORK AIRTIGHT AS SHOWN. REMOVE DUCTWORK DOWNSTREAM OF CAP (TYPICAL).
15. NEW TOILET EXHAUST FAN, ROUTE 8"ϕ EXHAUST DUCT FROM CLG REGISTER TO SOFFIT MOUNTED FAN. INSTALL PER MANUFACTURES RECOMMENDATIONS.
16. EXISTNG ELECTRIC BASEBOARD RADIATION TO REMAIN. (TYPICAL)
17. CONNECT NEW MEDIUM PRESSURE DUCTWORK TO EXISTING AS REQUIRED.



1 MECHANICAL PLAN
SCALE 1/8"=1'-0"

PLAN NORTH

Provide proof of a flame spread <26 and smoke development <51 for any materials used within a plenum.
2009 IMC 602.2.1

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Richard LaCoste*
Date: *Jul 23, 2013*
2006 INTERNATIONAL CODES & 2008 NEC

RSN: *731035*
Permit #: *13-676049*

07/08/2013

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ISSUED FOR:
DATE: 02/21/2013
SCHEMATIC DESIGN
DESIGN DEVELOP.
TEAM MEETING
PERMIT
PERMIT
PERMIT
PERMIT
PERMIT
PERMIT

PROJECT NO.: POB-205
DRAWN BY:

TITLE:
MECHANICAL PLAN

SHEET NO:
2M2.1

PLOTTED BY: daytan DATE/TIME: Jul 08, 2013, 12:48PM
DRAWINGS PATH/NAME: F:\Projects\10\001-02 medical office\2m2l.dwg

FIRE PROTECTION NOTES

1. MODIFY EXISTING FIRE PROTECTION SPRINKLER SYSTEMS IN ACCORDANCE WITH LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES, N.F.P.A. AND APPLICABLE REGULATIONS.
2. THIS CONTRACTOR SHALL FIELD VERIFY LOCATIONS OF ALL EXISTING EQUIPMENT, DUCTWORK, PIPING, ETC. PRIOR TO STARTING CONSTRUCTION. ALL NEW AND EXISTING FIRE SPRINKLER HEADS AND PIPING LOCATIONS MUST BE COORDINATED WITH ALL NEW AND EXISTING MECHANICAL AND ELECTRICAL EQUIPMENT, DUCTWORK, GRIDWORK, ETC. COORDINATE CONFLICTS WITH THE GENERAL CONTRACTOR PRIOR TO INSTALLATION.
3. FIRE SPRINKLER HEADS ARE TO BE UL LISTED AND FACTORY MUTUAL APPROVED. NEW SPRINKLER HEADS SHALL BE TYPE, MAKE AND MODEL AS EXISTING. SPRINKLER HEADS IN TENANT AREAS WITH DROP CEILINGS ARE TO BE RECESSED PENDENT WITH WHITE ESCUTCHEONS. THE AREAS WITH GYPSUM BOARD CEILINGS SHALL BE PROVIDED WITH CONCEALED HEADS WITH WHITE FINISH. VERIFY WITH LANDLORD AND BUILDING STANDARDS GUIDE. EXTENDED COVERAGE SPRINKLERS ARE ACCEPTABLE AS BASE DESIGN. WHERE POSSIBLE THE FIRE SPRINKLERS SHALL BE THE SAME MAKE AND MODEL AS THE BASE BUILDING.
4. NEW FIRE SPRINKLER PIPE AND FITTINGS SHALL BE SCHEDULE 40, ASTM A-53 BLACK SHEET PIPE.
5. WHERE LAY IN CEILINGS OCCUR THE SPRINKLER HEADS OCCUR THE SPRINKLER HEADS SHALL BE INSTALLED AS CLOSE TO CENTER OF TILE AS POSSIBLE. THE INTENT IS NOT TO HAVE ARM OVERS BUT AN AESTHETICALLY PLEASING LAYOUT. ALL SPRINKLER HEADS SHALL BE ALIGNED WITH ADJACENT CEILING DEVICES AND SHALL BE UNIFORM IN LAYOUT. ARCHITECT SHALL APPROVE LAYOUT OF THE SPRINKLER HEADS. ANY ADDITIONAL SPRINKLER HEADS OR THE ALTERING OF THE PROPOSED ROUTING SHALL BE THE RESPONSIBILITY OF THE FIRE PROTECTION CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. LAYOUT OF THE HEADS SHALL BE REVIEWED AND APPROVED BY THE ARCHITECT PRIOR TO SUBMISSION TO THE BUILDING AND FIRE DEPARTMENTS FOR APPROVAL. FLEXIBLE ARM OVERS ARE NOT ACCEPTABLE AND WILL BE REJECTED. REFER TO SPRINKLER HEAD LOCATION DETAIL THIS SHEET.
6. PROVIDE ALL SHOP DRAWINGS AND CALCULATIONS TO MEET REQUIREMENTS OF THE CITY AND COUNTY OF DENVER. ALL DRAWINGS AND CALCULATIONS ARE REQUIRED TO BE STAMPED AND SIGNED BY A REGISTERED PROFESSIONAL ENGINEER.
7. COORDINATE ALL DESIGN REQUIREMENTS WITH THE BUILDING INSURANCE AUTHORITY PRIOR TO INSTALLATION. THE SYSTEM SHALL BE DESIGNED SUCH THAT THE BUILDING OWNERS RECEIVE A "NO PENALTY" RATING.
8. FIRE PROTECTION CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIRE/SMOKE STOPPING OF ALL PENETRATIONS. RATINGS SHALL BE AS REQUIRED BY THE ASSEMBLY.
9. REFER TO ARCHITECTURAL DRAWINGS FOR FLOOR LAYOUTS AND DETAILS PRIOR TO CONSTRUCTION.
10. SUBMIT SIX SETS OF SHOP DRAWINGS TO ARCHITECT FOR REVIEW AND COMMENT PRIOR TO SUBMISSION TO THE FIRE DEPT.

FIXTURE LIST

PLAN CODE: WC-1
WATER CLOSET (F.T.-ADA-FLRSET-FPRESS. ASSIST)
MAKE: KOHLER
MODEL: "K-3493
SEAT: OLSONITE "1050CC
BOLT CAPS: 2
COLOR: WHITE
SUPPLY & STOP: WHEEL HANDLE ANGLE VALVE, 1/2" NOM. COMP. INLET X 3/8" O.D. COMP. OUTLET, POL. CHR. WITH 12" RISER
ESCUTCHEON: ONE PIECE CHROME PLATED CAST BRASS
FLOOR TO RIM HEIGHT: 17-1/2"

PLAN CODE: L-1
LAVATORY (WALL HUNG,ADA,SHROUD)
MAKE: KOHLER
MODEL: "K-2035
SIZE: 22" X 18"
COLOR: WHITE
FAUCET: KOHLER "K-7305-K/
MIXING VALVE: POWERS "LM495
SUPPLY & STOP: WHEEL HANDLE ANGLE VALVE, 1/2" NOM. COMP. INLET X 3/8" O.D. COMP. OUTLET, POL. CHR. WITH 12" RISER
ESCUTCHEONS: ONE PIECE CHROME PLATED BRASS
TRAP: 1-1/4", 17 GAUGE, CHROME PLATED BRASS WITH CLEANOUT PLUG
INSULATION: TRUEBRO "102

PLAN CODE: TP-1
TRAP PRIMER
MAKE: PRECISION PLUMBING PRODUCTS
MODEL: "PR-500
SIZE INLET: 1/2" NPT
SIZE OUTLET: 1/2" NPT
DISTRIBUTION UNIT: "DU-1,2,3,4 AS REQD.

PLAN CODE: FD-1
FLOOR DRAIN
MAKE: JOSAM
MODEL: "30000-5A-5G

PLAN CODE: HS-1
HAND SINK
MAKE: JUST
MODEL: "SL-1515-A-GR
SIZE O.A.: 15"L X 15"W X 7"D
MATERIAL: 302 18-8 ST/ST
HOLE DRILLINGS: 2 @ 4" CENTERS
FAUCET: KOHLER "K-7305-5A
SUPPLIES & STOPS: WHEEL HANDLE ANGLE VALVE, 1/2" NOM. COMP. INLET X 3/8" O.D. COMP. OUTLET, WITH 20" RISER
ESCUTCHEONS: ONE PIECE CHROME PLATED BRASS
TRAP: 1-1/2" 17 GAUGE, CHROME PLATED BRASS WITH CLEANOUT PLUG

PLAN CODE: HS-2
SINK (HAND SINK)
MAKE: UNIVERSAL STAINLESS
MODEL: "CH6-1
SIZE: 15-1/2" X 16"
MATERIAL: 304 18-8 ST/ST
FAUCET: MOEN "8938
SUPPLIES & STOPS: WHEEL HANDLE ANGLE VALVE, 1/2" NOM. COMP. INLET X 3/8" O.D. COMP. OUTLET, WITH 20" RISER
ESCUTCHEONS: ONE PIECE CHROME PLATED BRASS
TRAP: 1-1/4", 17 GAUGE, CHROME PLATED BRASS WITH CLEANOUT PLUG
CARRIER: JOSAM "71100

PLAN CODE: WH-1
WATER HEATER
MAKE: STATE
MODEL: "ES6 30 SOMB
GALLONS: 30
SIZE: 20-1/2"DIA X 45-1/8"H
WATTS: 1650
ELECTRICAL: 120V, 1 PH, 60 HZ
TEMPERATURE SETTING: 120 DEG. F.
T & P: 3/4" WATTS 100XL

PLAN CODE: ET-1
EXPANSION TANK
MAKE: STATE
MODEL: ETC-2X
SIZE: 8-3/8"DIA X 12-1/2"H
STORAGE: 1.96 GALLON

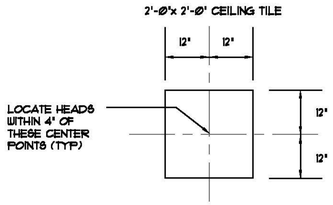
GENERAL NOTES

1. ALL COLD WATER PIPING AND VALVES ABOVE FINISHED CEILING AND ALL HOT WATER PIPING AND VALVES ARE REQUIRED TO BE INSULATED WITH GLASS FIBER PIPE COVERING WITH ALL SERVICE JACKET AND SELF-SEAL LAP WITH NON-COMBUSTIBLE MATERIAL MEETING ALL CODE REQUIREMENTS INCLUDING FIRE AND SMOKE HAZARD RATINGS AS TESTED IN CONFORMANCE WITH ASTM E-84, NATIONAL FIRE PROTECTION AGENCY 225 AND UL 723, NOT EXCEEDING FLAME SPREAD RATING OF 25 AND A SMOKE DEVELOPED RATING OF 50. COLD WATER PIPE SIZES 1/2" THRU 4" = 1/2" THICK INSULATION. HOT WATER PIPE SIZES 1/2" THRU 1-1/4" = 1" THICK INSULATION.
2. ALL PLUMBING SYSTEMS ARE REQUIRED TO BE INSTALLED IN ACCORDANCE WITH LOCAL AND STATE JURISDICTIONAL CODES, ORDINANCES AND APPLICABLE REGULATIONS.
3. THE WORK REQUIRED CONSISTS OF PERFORMING ALL LABOR AND FURNISHING ALL MATERIALS, FIXTURES AND EQUIPMENT REQUIRED TO PROVIDE A COMPLETE PLUMBING INSTALLATION AS INDICATED ON THE DRAWINGS. IT SHALL FURTHER INCLUDE FURNISHING AND INSTALLING ALL MISCELLANEOUS MINOR ITEMS REQUIRED FOR THE OPERATION OF THE SYSTEM WHETHER SPECIFICALLY CALLED FOR OR NOT.
4. THIS CONTRACTOR SHALL PAY FOR ALL PERMITS AND INSPECTION FEES REQUIRED BY STATE AND LOCAL AUTHORITIES.
5. VALVES AND CLEANOUTS SHALL BE INSTALLED AS SHOWN ON THE DRAWINGS, OR AS REQUIRED BY LOCAL CODES AND REGULATIONS.
6. AT THE COMPLETION OF THE WORK AND PRIOR TO FINAL ACCEPTANCE, ALL PARTS OF THE WORK INSTALLED UNDER THIS SPECIFICATION SHALL BE THOROUGHLY CLEANED.
7. THE PIPE AND FIXTURES SHOWN ON THIS DOCUMENT ARE FOR REFERENCE ONLY. MINOR ADJUSTMENTS MAY BE REQUIRED FOR INSTALLATION OF NEW PIPING AND DEMOLITION OF EXISTING PIPING AND SHALL BE PART OF THIS CONTRACTORS WORK.
8. PATCH AND REPAIR TO MATCH EXISTING, ANY WALL/CEILINGS TO BE ACCESSED TO ROUTE PIPING. ALL GAS PIPING LOCATED ON ROOF SHALL BE PAINTED.
9. CORE DRILL EXISTING FLOOR AS REQUIRED FOR INSTALLATION OF GAS, WASTE, AND VENT PIPING. PATCH AND REPAIR TO MATCH EXISTING.
10. TESTS: TEST ALL PLUMBING IN ACCORDANCE WITH REQUIREMENTS OF UNIFORM PLUMBING CODE.
11. CONTRACTOR SHALL VERIFY EXACT LOCATION OF ALL EXISTING UTILITIES PRIOR TO COMMENCING WORK
12. PIPING SHALL BE AS FOLLOWS:
    WATER DISTR PIPING: TYPE "L" COPPER W/WROUGHT COPPER FITTINGS & 95-5 TIN ANTIMONY JNTS
    SOIL, WASTE & VENT PIPING:
    ABOVE GRADE: S.V. NO-HUB CAST IRON WITH STAINLESS CLAMP W/ NEO. GASKET JOINTS
    BELOW GRADE: S.V. HUB & SPIGOT CAST IRON WITH NEO. COMP. GASKET JOINTS
    (ALTERNATE FOR ABOVE/BELOW GRADE: EXCEPT IN RETURN AIR PLENUMS)
    PIPE AND FITTINGS: PLASTIC DWV. P.V.C. - SCH 40 DWV PATTERN CONFORMING TO ASTM 84-68, WITH FLAME SPREAD OF 25 OR LESS. A.B.S. - SCHEDULE 40 DWV PATTERN, CONFORM TO ASTM D-266-67, C5270-65.
13. CONTRACTOR SHALL REUSE ALL EXISTING WHITE CHINA HAND SINKS AND FAUCETS IF IN GOOD WORKING ORDER. CONTRACT SHALL FIELD VERIFY QUANTITY, MAKE/MODEL OF HAND SINK AND FAUCET. INSTALL NEW TO MATCH EXISTING AS REQUIRED.

PLUMBING LEGEND

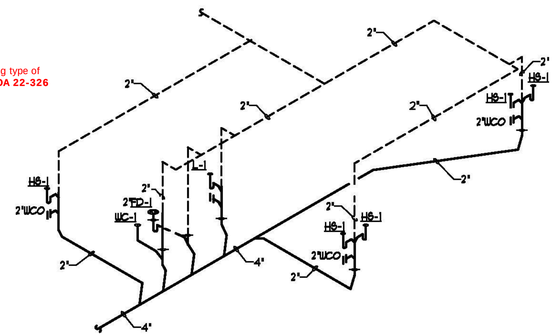
NOTE: NOT ALL ITEMS LISTED MAY APPEAR ON DRAWINGS

SYMBOL	ABBREV	DESCRIPTION
	CW	POTABLE COLD WATER
	HW	POTABLE HOT WATER 1107 F
G	GAS	NATURAL GAS (6" WATER COLUMN PRESSURE)
	SS	SANITARY SEWER (ABOVE FLOOR)
	SS	SANITARY SEWER (BELOW FLOOR)
	V	SANITARY (PLBG.) VENT
	CW	EXISTING COLD WATER PIPING
	SS	EXISTING SANITARY SEWER (BELOW FLOOR)
	V	EXISTING SANITARY (PLBG.) VENT
		BALL VALVE
		CHECK VALVE
		UNION
	FD	FLOOR DRAIN
		BALL VALVE
		FCO/GCO
		NEW CONNECTION

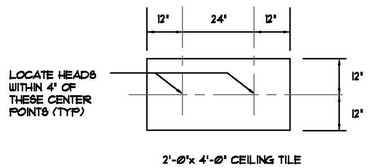


2 SPRINKLER HEAD LOCATION DETAIL
SCALE: NONE

Provide self closing or metering type of faucets in restrooms **2009 COA 22-326**



1 WASTE AND VENT ISOMETRIC
SCALE: NONE



3 SPRINKLER HEAD LOCATION DETAIL
SCALE: NONE

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Richard LaCoste*
Date: *Jul 23, 2013*
2006 INTERNATIONAL CODES & 2008 NEC

RSN: *731035*
Permit #: *13-676049*

PLOTTED BY: dayon DATE/TIME: JUL 08, 2013, 12:44 PM
DRAWINGS PATHNAME: F:\Projects\0\001-02 medical office\2P11.dwg

COLORADO REGISTERED PROFESSIONAL ENGINEER 29057
07/08/2013

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ISSUED FOR:
DATE: 02/21/2013
SCHEMATIC DESIGN
DESIGN DEVELOP.
TEAM MEETING
PERMIT
PERMIT
PERMIT
PERMIT
PERMIT
PERMIT

PROJECT NO.: POB-205
DRAWN BY:

TITLE:
PLUMBING NOTES, FIXTURE LIST AND DETAILS

SHEET NO:
2P1.1

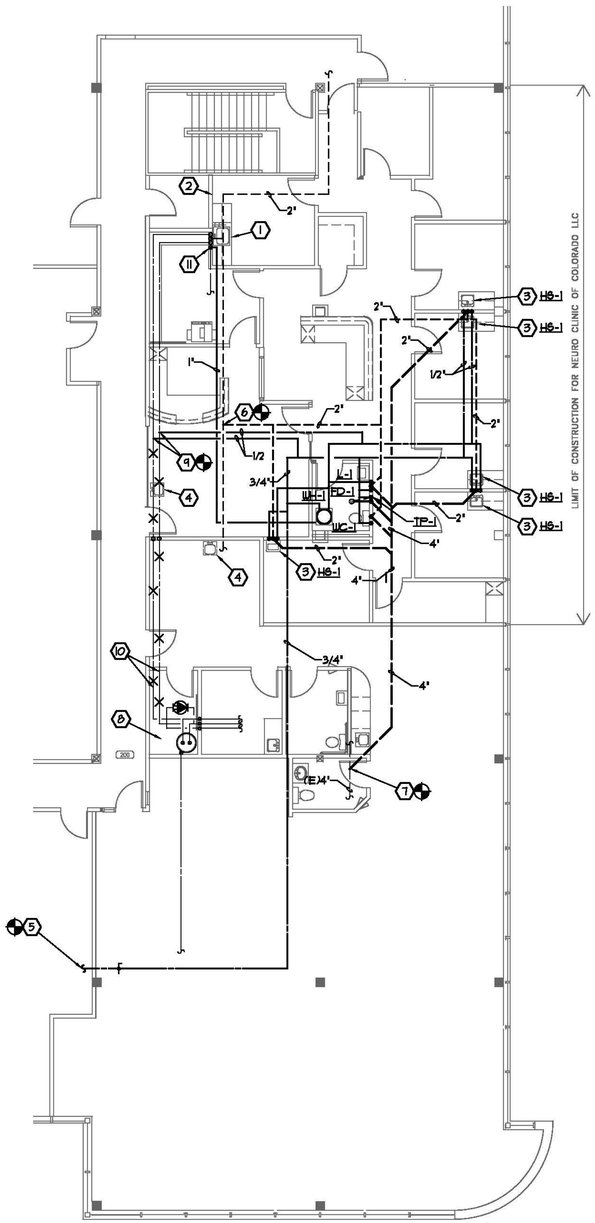
Provide self closing or metering type of faucets in restrooms **2009 COA 22-326**

FIXTURE CONNECTION SCHEDULE

FIXTURE	COLD WATER	HOT WATER	WASTE	VENT
PUBLIC FIXTURES				
HAND SINK (NEW HS-1)	1/2"	1/2"	1-1/2"	1-1/2"
SINK (EXISTING S-1)	1/2"	1/2"	2"	2"
LAV (NEW L-1)	1/2"	1/2"	2"	2"
WATER CLOSET (NEW WC-1)	1/2"	--	4"	2"

KEY NOTES

1. EXISTING SINK TO REMAIN. CONTRACTOR SHALL REPAIR/REFURBISH SINK AS REQUIRED FOR A COMPLETE AND OPERATIONAL FIXTURE.
2. EXISTING CW CONNECTION FOR REFRIGERATOR TO REMAIN, CONNECT TO NEW REFRIGERATOR AS REQUIRED.
3. ROUGHIN AND CONNECT 1/2"CW, 1/2"HW, 2"W AND 2" W TO HAND SINK.
4. EXISTING SINK TO BE REMOVED. REMOVE AND CAP PIPING AT MAINS IN A CONCEALED LOCATION.
5. CONNECT 3/4" CW WITH SHUTOFF VALVE TO (E) CW. CONTRACTOR SHALL FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING PIPING AND MODIFY ROUTING AS REQUIRED.
6. CONNECT 2"V TO (E) V. CONTRACTOR SHALL FIELD VERIFY EXACT SIZE AND LOCATION OF EXISTING PIPING AND MODIFY ROUTING AS REQUIRED.
7. CONNECT 4"W TO (E) 4"W PIPING. CONTRACTOR SHALL FIELD VERIFY EXACT SIZE, LOCATION AND INVERT ELEVATION OF EXISTING PIPING AND MODIFY AS REQUIRED.
8. EXISTING WATER HEATER AND RECIRCULATION PUMP TO REMAIN.
9. CONNECT NEW 1/2" CW AND HW TO EXISTING PIPING. VERIFY CONNECTION REQUIREMENTS IN THE FIELD.
10. REMOVE EXISTING CW AND HW BACK TO POINT OF CONNECTION AND CAP AND VALVE.
11. PROVIDE NEW 3" RECEPTOR BELOW SINK TO ACCOMMODATE DRAINS FROM NEW WATER HEATER. RECONNECT EXISTING DISHWASHER TO NEW RECEPTOR.



1 PLUMBING PLAN
SCALE 1/8"=1'-0"

PLAN NORTH

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *Richard LaCoste*
Date: *Jul 23, 2013*
2006 INTERNATIONAL CODES & 2008 NEC

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DATE: 02/21/2013
SCHEMATIC DESIGN
DESIGN DEVELOP.
TEAM MEETING
PERMIT
PERMIT
PERMIT
PERMIT
PERMIT
PERMIT

PROJECT NO.: POB-205
DRAWN BY:

TITLE:
PLUMBING PLAN

SHEET NO:
2P2.1

PLOTTED BY: dayton DATE/TIME: Jul 08, 2013, 12:41PM
DRAWINGS PATH/NAME: F:\Projects\10\001-02 medical office\2P21.dwg

LEGEND

NOTE: ALL SYMBOLS MAY NOT BE USED ON THIS PROJECT

DEVICES

- SINGLE RECEPT. - 125V, 15A/20A AS REQUIRED
- DUPLEX RECEPT. - 125V, 15A/20A AS REQUIRED
- FOURPLEX RECEPT. - 125V, 15A/20A AS REQUIRED
- HALF-SWITCHED RECEPT. - 125V, 15A/20A AS RQ'D
- SPECIAL PURPOSE RECEPT. - V AND A AS REQUIRED
- FLUSH FLOOR OUTLET (DEVICE AS INDICATED)
- CLOCK RECEPTACLE
- PW12 — PLUGMOLD - # INDICATES RECEPTACLE SPACING O.C.
- WM — WIREMOLD - AS SPECIFIED ON PLAN
- PP — POWER POLE
- PP — POWER/DATA POLE (DIVIDED)
- BELL, CHIME, OR BUZZER
- HOOD CONNECTION
- THERMOSTAT
- DAMPER MOTOR

SWITCHES/CONTROLS

- S — SINGLE POLE SWITCH
- S_2 — TWO POLE SWITCH
- S_3 — 3-WAY SWITCH
- S_4 — 4-WAY SWITCH
- S_{DL} — DUAL-LEVEL SWITCHING (ALTERNATE LAMPS OR FIXTURES)
- S_P — SWITCH WITH PILOT LIGHT
- S_K — KEY OPERATED SWITCH
- DI or S_D — DIMMER SWITCH - WATTAGE AS REQUIRED
- S_T — MECHANICAL TIME SWITCH
- S_{LV} — LOW VOLTAGE SWITCH
- DI or S_V — VARIABLE SPEED MOTOR CONTROL SWITCH
- S_{CB} — CIRCUIT-BREAKER SWITCH - 20A1P
- OS or OS — OCCUPANCY SENSOR - CEILING MOUNTED
- OS or OS — OCCUPANCY SENSOR - WALL MOUNTED
- OCCUPANCY SENSOR - CORNER MOUNTED - WALL OR CEILING
- OCCUPANCY SENSOR - LIGHT FIXURE MOUNTED/INTEGRAL
- DM1 — DIGITAL LOAD CONTROL MODULE WITH 1 RELAY
- DM2 — DIGITAL LOAD CONTROL MODULE WITH 2 RELAYS
- DM3 — DIGITAL LOAD CONTROL MODULE WITH 3 RELAYS
- DM1D — DIGITAL LOAD CONTROL MODULE WITH 1 RELAY & DIMMING
- DM2D — DIGITAL LOAD CONTROL MODULE WITH 2 RELAYS & DIMMING
- DIGITAL SWITCH
- DIGITAL SWITCH - # = NUMBER OF BUTTONS
- DIGITAL SWITCH WITH RAISE/LOWER BUTTON
- LCD TOUCHSCREEN - X = SCREEN SIZE
- S_{TO} — THERMAL OVERLOAD SWITCH
- PUSH BUTTON
- EMERGENCY POWER-OFF SHUNT-TRIP
- TIME SWITCH - TORK (DIGITAL)
- PC or PC — PHOTOCELL

POWER DISTRIBUTION

- SWITCHBOARD OR EQUIPMENT ENCLOSURE
- ELECTRICAL PANEL
- SWITCH WITH FUSE
- SWITCH
- PULLOUT FUSED DISCONNECT
- CIRCUIT BREAKER
- M2 — CONTACT - NO - # INDICATES ASSOC. COIL
- M2 — CONTACT - NC - # INDICATES ASSOC. COIL
- M2 — COIL - # INDICATES ASSOCIATED CONTACT
- OVERLOAD RELAY
- KKI 12 — KIRK KEY INTERLOCK - # INDICATES RELATED KEYS
- TVSS — TRANSIENT VOLTAGE SURGE SUPPRESSER
- AC POWER SOURCE
- DC POWER SOURCE
- NF — NON-FUSED DISCONNECT SWITCH
- FUSED DISCONNECT SWITCH
- MAGNETIC STARTER OR CONTACTOR
- COMBINATION STARTER
- M or M — ELECTRIC METER - UTILITY METER U.O.N.
- CT or CT — CURRENT TRANSFORMER
- MOTOR
- TRANSFER SWITCH
- GENERATOR
- J/B or J/B — JUNCTION BOX
- CIRCUIT RUN CONCEALED IN WALL OR CEILING
- CIRCUIT RUN IN OR UNDER FLOOR OR IN EARTH
- CIRCUIT RUN SURFACE MOUNTED
- CONDUIT UP, CONDUIT DOWN
- CONDUIT STUB - CAP IF UNDERGROUND
- FLEXIBLE CONNECTION TO EQUIPMENT
- or — HOMERUN - ARROWS INDICATE # OF PHASE COND.
- GROUNDING ELECTRODE
- PAD MOUNTED TRANSFORMER
- or T — TRANSFORMER
- OVERHEAD SERVICE ENTRANCE

LIGHTING

- RECESSED FLUORESCENT
- SURFACE FLUORESCENT
- FLUORESCENT STRIP LIGHT
- LIGHT - TYPE INDICATED ON SCHEDULE
- LIGHT - TYPE INDICATED ON SCHEDULE
- TRACK LIGHT
- SURFACE MOUNTED FIXTURE
- CR or CR — RECESSED FIXTURE
- RECESSED WALL WASHER
- PENDANT MOUNTED FIXTURE
- HO or HO — WALL MOUNTED FIXTURE
- KEYLESS PORCELAIN LAMP HOLDER - 150W
- BATTERY PACK EMERGENCY LIGHT
- REMOTE EMERGENCY LIGHT
- EXTERIOR EMERGENCY EGRESS LIGHT
- EBPU — BATTERY PACK FOR REMOTE EMERGENCY LIGHT
- BATTERY PACK EXIT LIGHT
- BATTERY PACK EXIT/EM COMBINATION LIGHT
- UNSWITCHED or NL — INDICATES NON-SWITCHED NIGHT LIGHT
- EM — INDICATES INTEGRAL EMERGENCY POWER BATTERY

UPPERCASE LETTER ADJACENT TO FIXT. INDICATES FIXTURE TYPE

LOWERCASE LETTER ADJACENT TO FIXT. INDICATES CONTROL

ABBREVIATIONS

AC	ABOVE COUNTER
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AF/AFCI	ARC-FAULT CIRCUIT INTERRUPTER
AIC	AMPERE INTERRUPTING CAPACITY (MINIMUM RATING)
ATS	AUTOMATIC TRANSFER SWITCH
CD	CORD DROP
CLG	CEILING MOUNTED
E OR (E)	EXISTING
FLR	FLOOR MOUNTED
G OR GND	GROUND
GFI/GFCI	GROUND-FAULT CIRCUIT INTERRUPTER
IG	ISOLATED GROUND
ISC	AVAILABLE FAULT CURRENT (RMS SYMMETRICAL)
ILT	LET-THROUGH FAULT CURRENT (RMS SYMMETRICAL)
N OR (N)	NEW
NO/NC	NORMALLY OPEN/NORMALLY CLOSED
O.C.	ON CENTER
R OR (R)	RELOCATE
ST	SHUNT-TRIP
TL	TWIST-LOCK
TR	TAMPER RESISTANT
UC	UNDER COUNTER
UON	UNLESS OTHERWISE NOTED
WP	WEATHER PROOF
XP	EXPLOSION PROOF

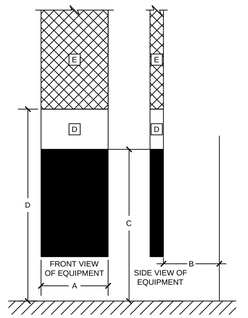
DESIGNATIONS

- MECHANICAL/PLUMBING EQUIPMENT
- REVISION TAG
- XX — DETAIL NOTE
- X — DETAIL NOTE
- XXX — KITCHEN EQUIPMENT

PHONE/DATA

- DATA OUTLET
- TELEPHONE OUTLET
- COMBINATION TELEPHONE/DATA OUTLET
- FLUSH FLOOR OUTLET (DEVICE AS INDICATED)
- TELEPHONE TERMINAL BOARD
- TELEPHONE TERMINAL CABINET

CLEAR SPACE/WORKING SPACE ABOUT ELECTRICAL EQUIPMENT



A	PROVIDE CLEAR SPACE EQUAL TO THE WIDTH OF EQUIPMENT OR 30", WHICHEVER IS GREATER.
B	PROVIDE THE FOLLOWING CLEAR SPACE IN FRONT OF EQUIPMENT: 3' FOR 0-150 L-G VOLTAGE AND 4' FOR 151-600 L-G VOLTAGE.
C	PROVIDE CLEAR SPACE, FOR THE WIDTH OF THE EQUIPMENT, FROM GRADE, FLOOR OR PLATFORM TO A HEIGHT OF 6-1/2' OR THE HEIGHT OF THE EQUIPMENT, WHICHEVER IS GREATER.
D	THE SPACE EQUAL TO THE WIDTH AND DEPTH OF THE EQUIPMENT AND EXTENDING FROM THE FLOOR TO A HEIGHT OF 6' ABOVE THE EQUIPMENT OR TO THE STRUCTURAL CEILING, WHICHEVER IS LOWER, SHALL BE DEDICATED TO THE ELECTRICAL INSTALLATION - NO PIPING, DUCTS, LEAK PROTECTION APPARATUS, OR OTHER EQUIPMENT FOREIGN TO THE ELECTRICAL INSTALLATION SHALL BE LOCATED IN THIS ZONE. SUSPENDED CEILINGS WITH REMOVABLE PANELS SHALL BE PERMITTED WITHIN THE 6' ZONE. SPRINKLER PROTECTION SHALL BE PERMITTED FOR THE DEDICATED SPACE WHERE THE PIPING COMPLIES WITH THIS SECTION. A DROPPED, SUSPENDED, OR SIMILAR CEILING THAT DOES NOT ADD STRENGTH TO THE BUILDING STRUCTURE SHALL NOT BE CONSIDERED A STRUCTURAL CEILING.
E	THE AREA ABOVE THE DEDICATED SPACE SHALL BE PERMITTED TO CONTAIN FOREIGN SYSTEMS, PROVIDED PROTECTION IS INSTALLED TO AVOID DAMAGE TO THE ELECTRICAL EQUIPMENT FROM CONDENSATION, LEAKS, OR BREAKS IN SUCH FOREIGN SYSTEMS.

THE FINAL LOCATION OF EQUIPMENT SHALL BE COORDINATED IN THE FIELD, PRIOR TO ROUGH-IN, TO MEET APPLICABLE LOCATION, HEIGHT AND CLEARANCE REQUIREMENTS.

THE ELECTRICAL CONTRACTOR SHALL STOP WORK IMMEDIATELY, AND ADVISE OTHERS TO STOP WORK IF THERE IS A CONFLICT WITH THE ELECTRICAL CLEARANCE AND WORK SPACE REQUIREMENTS PER THE ABOVE INFORMATION AND THE NEC.

BRANCH-CIRCUIT WIRING SCHEDULE (UNLESS OTHERWISE NOTED)

OVERCURRENT PROTECTION DEVICE RATING/ SETTING	PHASE CONDUCTOR SIZE (CU)	NEUTRAL CONDUCTOR SIZE (CU) (IF REQUIRED)	EQUIPMENT GROUNDING CONDUCTOR SIZE (CU)	CONDUIT SIZE
15 A	#12 AWG	#12 AWG	#12 AWG	1/2"
20 A	#12 AWG	#12 AWG	#12 AWG	1/2"
25 A	#10 AWG	#10 AWG	#10 AWG	1/2"
30 A	#10 AWG	#10 AWG	#10 AWG	1/2"
35 A	#8 AWG	#8 AWG	#10 AWG	3/4"
40 A	#8 AWG	#8 AWG	#10 AWG	3/4"
45 A	#6 AWG	#6 AWG	#10 AWG	1"
50 A	#6 AWG	#6 AWG	#10 AWG	1"
60 A	#4 AWG	#4 AWG	#10 AWG	1 1/4"
70 A	#4 AWG	#4 AWG	#8 AWG	1 1/4"
80 A	#3 AWG	#3 AWG	#8 AWG	1 1/4"
90 A	#2 AWG	#2 AWG	#8 AWG	1 1/2"
100 A	#1 AWG	#1 AWG	#8 AWG	1 1/2"

NOTES:

1. FOR MOTOR LOADS, USE MCA (MINIMUM CIRCUIT AMPACITY) TO SIZE PHASE AND NEUTRAL CONDUCTORS AND USE MOCP (MAXIMUM OVER-CURRENT PROTECTIVE DEVICE) TO SIZE EQUIPMENT GROUNDING CONDUCTOR.
2. INCREASE PHASE, NEUTRAL, AND EQUIPMENT GROUNDING CONDUCTOR SIZES BY 1 STANDARD CONDUCTOR SIZE PER EACH 75' OF CONDUCTOR LENGTH. INCREASE CONDUIT SIZE ACCORDINGLY.

ELECTRICAL SPECIFICATIONS

GENERAL REQUIREMENTS

DRAWINGS ARE DIAGRAMMATIC AND DO NOT INDICATE ALL FITTINGS, JUNCTION BOXES, ETC. REQUIRED. PROVIDE ALL REQUIRED EQUIPMENT, CONDUIT, FITTINGS, WIRING, BOXES, ETC. FOR A COMPLETE AND OPERATIONAL INSTALLATION.

WORK AND EQUIPMENT SHALL COMPLY WITH STATE AND LOCALLY ADOPTED CODES AND STANDARDS, INCLUDING THE NATIONAL ELECTRICAL CODE (NEC), INTERNATIONAL CODES (I-CODES), AND LOCAL AMENDMENTS.

ANYTHING DRAWN OR SPECIFIED SHALL NOT BE CONSTRUED TO CONFLICT WITH STATE AND LOCALLY ADOPTED CODES AND STANDARDS, INCLUDING THE NATIONAL ELECTRICAL CODE, WHICH GOVERNS THE INSTALLATION OF ANY ELECTRICAL WORK. ITEMS SHALL NOT BE INSTALLED IN CONFLICT WITH THE NEC. RESOLVE ANY AND ALL CONFLICTS PRIOR TO INSTALLATION.

BECOME THOROUGHLY ACQUAINTED WITH THE CONDITIONS UNDER WHICH WORK IS TO BE PERFORMED. EXAMINE ALL SERVICES, EQUIPMENT, AND EXISTING CONDITIONS, WHICH THIS WORK IS IN ANY WAY DEPENDENT UPON, AND BRING ANY DISCREPANCIES OR OMISSIONS FOUND IN THE DRAWINGS TO THE ELECTRICAL ENGINEER'S ATTENTION PRIOR TO SUBMITTING BID.

THE LOCATION OF OUTLETS AND EQUIPMENT SHOWN ON THE DRAWINGS ARE APPROXIMATE. THE ARCHITECT AND ENGINEER SHALL HAVE THE RIGHT TO ADJUST THE LOCATION OF OUTLETS OR FIXTURES, WITHIN 10' OF THE SPECIFIED LOCATION, BEFORE THEY ARE INSTALLED AND WITHOUT ADDITIONAL COST.

PROVIDE DRAWINGS TO LOCAL BUILDING AUTHORITY AND OBTAIN A PERMIT PRIOR TO STARTING ANY WORK.

NOTIFY ELECTRICAL ENGINEER OF ANY CHANGES REQUESTED BY THE LOCAL BUILDING AUTHORITY IMMEDIATELY AND PRIOR TO STARTING WORK.

VERIFY AND COMPLY WITH UTILITY COMPANY REQUIREMENTS. PROVIDE METERING, CONNECTION CABINETS, CT CABINETS, AND TRANSFORMER AND CONNECTION CABINET PADS PER LOCAL UTILITY COMPANY REQUIREMENTS.

PROVIDE A REDLINED AS-BUILT SET OF ELECTRICAL DRAWINGS TO OWNER UPON COMPLETION OF WORK.

ELECTRICAL WORK SHOWN LIGHT OR MARKED "E" IS EXISTING, SHOWN DARK IS NEW, AND SHOWN DASHED IS EXISTING TO BE REMOVED OR RELOCATED UNLESS OTHERWISE INDICATED. DASHING MAY ALSO INDICATE UNDER FLOOR OR UNDER GROUND CONDUIT. IF UNCLEAR, CONTACT ELECTRICAL ENGINEER FOR CLARIFICATION.

EQUIPMENT, WIRING, AND DEVICES SHOWN ARE NEW UNLESS OTHERWISE NOTED.

MAINTAIN CIRCUITING TO EXISTING EQUIPMENT AND DEVICES TO REMAIN.

REFERENCE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

INSTALL EQUIPMENT AND DEVICES PER THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. NOTIFY ELECTRICAL ENGINEER, PRIOR TO INSTALLING EQUIPMENT AND DEVICES, IF MANUFACTURER'S INSTALLATION INSTRUCTIONS CONFLICT WITH ELECTRICAL INFORMATION ON THE THESE DRAWINGS.

ELECTRICALLY OPERATED EQUIPMENT SHOWN ON PLANS, AND NOT CIRCUITED ON THE ELECTRICAL PLANS, WILL REQUIRE ELECTRICAL SERVICE. CONTACT ELECTRICAL ENGINEER FOR CONNECTION REQUIREMENTS AND CLARIFICATION PRIOR TO BID. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE BID.

PROVIDE HANGERS AND SUPPORTS TO ADEQUATELY AND SECURELY SUPPORT ELECTRICAL SYSTEM COMPONENTS IN A NEAT AND WORKMANLIKE MANNER.

MAINTAIN THE FIRE RATING OF THE ASSEMBLY (CEILING, WALL, OR FLOOR) IN WHICH EQUIPMENT, WIRING, AND DEVICES ARE TO BE INSTALLED.

ALL EQUIPMENT SHALL BE FULLY RATED FOR THE AMBIENT CONDITIONS (ELEVATION, TEMPERATURE, ETC) AT THE PROJECT LOCATION.

SUBMITTALS AND SUBSTITUTIONS

PROVIDE PRODUCT DATA SHEETS AND SHOP DRAWINGS FOR EQUIPMENT, FIXTURES, AND DEVICES TO ELECTRICAL ENGINEER PRIOR TO PURCHASING. REVIEW, STAMP AND INITIAL ALL ELECTRICAL SUBMITTALS AND SHOP DRAWINGS CERTIFYING THAT THE SUBMITTALS HAVE BEEN REVIEWED PRIOR TO SUBMITTING TO ELECTRICAL ENGINEER FOR REVIEW.

EQUIPMENT AND FIXTURES SPECIFIED REPRESENT REQUIRED QUALITY AND PERFORMANCE.

PROVIDE PRODUCT DATA SHEETS AND SHOP DRAWING OF PROPOSED SUBSTITUTIONS TO SPECIFIED EQUIPMENT TO ELECTRICAL ENGINEER FOR REVIEW. ELECTRICAL ENGINEER SHALL DETERMINE THE ACCEPTABILITY OF SUBSTITUTIONS TO SPECIFIED EQUIPMENT. REVIEW, STAMP AND INITIALED ALL ELECTRICAL SUBMITTALS AND SHOP DRAWINGS CERTIFYING THAT SUBMITTALS HAVE BEEN REVIEWED PRIOR TO SUBMITTING TO ELECTRICAL ENGINEER FOR REVIEW.

SUBMITTALS AND SHOP DRAWINGS ARE TO INCLUDE THE FOLLOWING: KEY TO PLAN DESIGNATIONS, MANUFACTURER, MODEL NUMBER, DATA SHEETS, QUANTITIES, COLORS, LABELS, DIMENSIONS, INSTALLATION INSTRUCTIONS, AND ANY ADDITIONAL INFORMATION REQUIRED TO DETERMINE IF THE PRODUCT MEETS THE DESIGN INTENT.

CONSTRUCTION PHASE REVIEW REQUIREMENTS

INSTALL POWER, LIGHTING, COMMUNICATIONS AND SPECIAL SYSTEM (FIRE ALARM, SECURITY, BUILDING AUTOMATION, ETC) BOXES PRIOR TO RUNNING CABLE OR CONDUIT TO BOXES. ARRANGE FOR OWNER, ARCHITECT, AND ENGINEER TO REVIEW BOX LOCATIONS PRIOR TO RUNNING CABLE OR CONDUIT TO BOXES. ADJUST BOXES AS DIRECTED BY OWNER, ARCHITECT, AND ENGINEER.

REQUESTS FOR MODIFICATIONS TO THE CONTRACT (CHANGE ORDERS)

REQUESTS BY CONTRACTOR FOR ADDITION OR REDUCTION TO THE CONTRACT AMOUNT SHALL BE ACCOMPANIED BY THE FOLLOWING FOR EVALUATION BY THE OWNER AND ENGINEER:

1. ORIGIN AND DATE OF CLAIM
2. QUANTITIES OF PRODUCTS, LABOR, AND EQUIPMENT
3. DOLLAR AMOUNT OF TAXES, OVERHEAD, AND PROFIT
4. JUSTIFICATION FOR ANY CHANGE IN CONTRACT TIME
5. CREDIT AMOUNT FOR DELETIONS (WITH DOCUMENTATION)
6. DATES AND TIMES OF WORK PERFORMED, AND BY WHOM
7. TIME RECORDS AND WAGE RATES PAID
8. INVOICES AND RECEIPTS FOR PRODUCTS AND EQUIPMENT

SUBMIT ALL DOCUMENTATION TO ENGINEER AND OWNER, AND OBTAIN WRITTEN APPROVAL PRIOR TO STARTING ANY WORK THAT AFFECTS THE CONTRACT AMOUNT OR COMPLETION DATE.

EXISTING CONDITIONS

THESE DRAWINGS CONTAIN INFORMATION REGARDING EXISTING CONDITIONS. THIS INFORMATION WAS COMPILED FROM EXISTING DRAWINGS OR CASUAL FIELD OBSERVATIONS. IN SOME CASES, ASSUMPTIONS WERE MADE WHEN FIELD OBSERVATIONS OR EXISTING DRAWINGS DID NOT PROVIDE NECESSARY INFORMATION (I.E. LOCKED DISCONNECTS, NO WIRE SIZE INDICATED, NAMEPLATE DATA MISSING, INACCURATE AS-BUILT DRAWINGS, ETC.).

EXISTING CONDITIONS SHALL BE VERIFIED AND ALLOWED FOR PRIOR TO BID AND CONSTRUCTION. NOTIFY THE ELECTRICAL ENGINEER OF ANY DISCREPANCIES WITH THESE DRAWINGS IMMEDIATELY AND PRIOR TO COMMENCING ANY FURTHER WORK.

COORDINATION

THE ELECTRICAL DRAWINGS ARE ONLY ONE PART OF A COMPLETE SET OF CONSTRUCTION DOCUMENTS. EXAMINE THE ARCHITECTURAL, MECHANICAL, AND PLUMBING DRAWINGS PRIOR SUBMITTING BID AND STARTING WORK TO DETERMINE THE FULL EXTENT OF ELECTRICAL WORK REQUIRED.

COORDINATE WORK WITH OTHER TRADES PRIOR TO ROUGH-IN. COORDINATION SHALL INCLUDE REVIEWING THE ARCHITECTURAL, MECHANICAL, PLUMBING, ETC. DRAWINGS AND SHOP DRAWINGS PRIOR TO BID AND CONSTRUCTION.

OBTAIN AND REVIEW SHOP DRAWINGS, PRODUCT DATA, MANUFACTURER'S WIRING DIAGRAMS AND MANUFACTURER'S INSTRUCTIONS FOR EQUIPMENT PROVIDED BY OTHERS.

THE FINAL LOCATION OF EQUIPMENT SHALL BE COORDINATED IN THE FIELD, PRIOR TO ROUGH-IN, TO MEET APPLICABLE LOCATION, HEIGHT AND CLEARANCE REQUIREMENTS.

DEMOLITION

DISCONNECT WIRING TO EQUIPMENT, DEVICES, AND FIXTURES TO BE REMOVED. REMOVE EQUIPMENT, WIRING, DEVICES AND CONDUIT NOT BEING USED. FIELD VERIFY EXISTING CONDITIONS TO DETERMINE EXTENT OF DEMOLITION WORK. REFERENCE ARCHITECTURAL, MECHANICAL, AND ELECTRICAL PLANS FOR ADDITIONAL INFORMATION.

MAINTAIN THE ELECTRICAL SERVICE TO EXISTING EQUIPMENT AND DEVICES TO REMAIN.

MAINTAINING EXISTING SERVICES

MAINTAIN THE ELECTRICAL SERVICE TO EXISTING TENANTS AND AREAS. ANY SERVICE DISCONTINUITY SHALL BE COORDINATED AND APPROVED BY OWNER AND TENANTS PRIOR TO OUTAGE. IF REQUIRED, PROVIDE TEMPORARY POWER DURING OUTAGE.

WIRING AND CONDUIT

NEW WIRING SHALL BE THHN/THWN-2, 90°C INSULATED COPPER UNLESS OTHERWISE NOTED. ALUMINUM CONDUCTORS SHALL BE XHHW-2, INSULATED COMPACT STRAND.

THE CONDUCTORS FOR 15A AND 20A BRANCH CIRCUITS SHALL BE #12 THHN/THWN-2, 90°C INSULATED COPPER.

BRANCH-CIRCUIT CONDUCTORS GREATER THAN 20A SHALL BE AS INDICATED ON PLANS OR REQUIRED PER CODE.

20 AMPERE BRANCH CIRCUIT HOMERUNS OVER 75' SHALL BE #10AWG CU AND OVER 150' SHALL BE #8AWG CU.

THE MAXIMUM NUMBER OF CONDUCTORS IN A CONDUIT FOR A 3Ø SYSTEM SHALL BE THREE (AØ, BØ, CØ), NOT INCLUDING NEUTRAL AND EQUIPMENT GROUNDING CONDUCTORS, UNLESS OTHERWISE INDICATED. CONDUIT SIZE SHALL BE BASED UPON NEC CHAPTER 9 AND ANNEX C. MORE THAN 3 CURRENT-CARRYING CONDUCTORS MAY BE INSTALLED IN A RACEWAY IF THE APPROPRIATE AMPACITY-DERATING FACTORS ARE APPLIED.

PROVIDE A DEDICATED NEUTRAL FOR EACH LINE-TO-NEUTRAL CIRCUIT UNLESS A MULTI-POLE BREAKER, WHICH DISCONNECTS ALL PHASE CONDUCTORS THAT SHARE A NEUTRAL, IS PROVIDED (LISTED BREAKER-TIES ARE PERMITTED).

PROVIDE AN INSULATED EQUIPMENT GROUNDING CONDUCTOR WITH ALL FEEDERS AND BRANCH-CIRCUIT WIRING.

INCREASE CONDUIT SIZE AS REQUIRED TO ACCOMMODATE EQUIPMENT GROUNDING CONDUCTOR.

CONDUIT SHALL BE CONCEALED IN WALLS, FLOOR OR CEILING IN FINISHED AREAS UNLESS OTHERWISE INDICATED.

IN FINISHED AREAS, WHERE CONDUIT AND CABLE CAN NOT BE CONCEALED IN WALLS OR CEILINGS (I.E. EXISTING MASONRY CONSTRUCTION), PROVIDE WIREMOLD OR EQUAL SURFACE MOUNTED RACEWAY AS APPROVED BY ARCHITECT OR ENGINEER.

THE TYPE OF CONDUIT SHALL BE AS FOLLOWS FOR ALL FEEDERS AND BRANCH CIRCUITS, UNLESS OTHERWISE SPECIFIED OR REQUIRED. REFERENCE THE NEC FOR ADDITIONAL APPLICATION REQUIREMENTS.

APPLICATION	TYPE OF CONDUIT
IN CONCRETE OR MASONRY	EMT, GRC OR PVC
OUTDOORS (ABOVE GRADE)	EMT OR GRC
BRANCH CIRCUITS (EXPOSED)	EMT OR GRC
INTERIOR BRANCH CIRCUITS (CONCEALED BEHIND DRYWALL)	MC CABLE OR EMT
INTERIOR BRANCH CIRCUITS (ABOVE DROPPED CEILINGS)	EMT
BRANCH CKTS (CONCEALED IN PATIENT CARE AREAS)	HCFAC OR EMT

FINAL CONNECTIONS TO LIGHT FIXTURES SHALL BE MADE WITH FLEXIBLE METAL CONDUIT WITH A MAXIMUM LENGTH OF 6'.

FINAL CONNECTIONS TO MECHANICAL OR VIBRATING EQUIPMENT, SUCH AS MOTORS AND TRANSFORMERS, SHALL BE MADE WITH FLEXIBLE METAL CONDUIT.

INSTALL CONDUIT EXPOSED TO SUNLIGHT ON ROOFTOPS A MINIMUM OF 12" ABOVE ROOF SURFACE.

PROVIDE PVC COATED GRC FOR ELBOWS IN PVC CONDUIT RUNS.

ALL CONDUITS AND CABLES PASSING THROUGH RATED WALLS, FLOORS OR CEILINGS SHALL BE FIRE STOPPED WITH APPROVED FIRE BARRIER CAULK. INSTALL CAULK PER MANUFACTURE'S INSTRUCTIONS AND MAINTAIN THE RATING OF THE WALL, FLOOR, OR CEILING BEING PENETRATED.

MEDICAL/DENTAL OFFICE REQUIREMENTS

INSTALL BRANCH CIRCUIT WIRING IN PATIENT CARE AREAS IN A METAL RACEWAY SYSTEM. CABLE USED IN PATIENT CARE AREAS SHALL BE LISTED FOR SUCH USE (HCFAC).

PROVIDE AN INSULATED COPPER EQUIPMENT GROUNDING CONDUCTOR TO ALL RECEPTACLES, LIGHTS, AND EQUIPMENT IN PATIENT CARE AREAS.

IF EXISTING, RELOCATED, OR RECONNECTED RECEPTACLES, LIGHTING, OR SWITCHES ARE LOCATED IN A PATIENT CARE AREA, AND THE WIRING IS NOT INSTALLED IN A METAL RACEWAY WITH AN INSULATED EQUIPMENT GROUNDING CONDUCTOR, OR A CABLE LISTED FOR USE IN A HEALTH-CARE FACILITY, THEN RE-CIRCUIT THE EXISTING DEVICES WITH THE REQUIRED GROUNDING FOR A PATIENT CARE AREA.

VERIFY EQUIPMENT NAMEPLATE DATA (VOLTAGE, PHASE, FLA, MCA, MOCP, ETC.) OF EQUIPMENT PRIOR TO ROUGH-IN. NOTIFY ELECTRICAL ENGINEER OF ANY DISCREPANCIES WITH THESE DRAWINGS.

DEVICES

DEVICE AND FACEPLATE COLOR SHALL BE AS SPECIFIED BY THE ARCHITECT OR TO MATCH EXISTING. COORDINATE FACEPLATE AND DEVICE COLORS WITH ARCHITECT, INTERIOR DESIGNER AND OWNER PRIOR TO PURCHASING AND INSTALLING DEVICES AND FACEPLATES.

PROVIDE COMMERCIAL SPECIFICATION GRADE SWITCHES AND RECEPTACLES.

PROVIDE DEVICES AS INDICATED BELOW:

DEVICE	MANUFACTURER	MODEL NUMBER
WALL OCCUPANCY SENSOR	WATT STOPPER	DW-100
3-WAY WALL OCC SENSOR	WATT STOPPER	DW-103
INCANDESCENT DIMMER	LUTRON	NOVA SERIES
FLUORESCENT DIMMER	LUTRON	NOVA SERIES

PROVIDE GFI PROTECTION FOR 120V, 15A AND 20A RECEPTACLES INSTALLED IN THE FOLLOWING NON-DWELLING LOCATIONS: BATHROOMS, KITCHENS, ROOFTOPS, OUTDOORS, SINKS (WITHIN 6' OF OUTSIDE EDGE OF SINK), FEEDING ELECTRIC WATER COOLERS, AND LOCATIONS INDICATED ON POWER PLAN. PROVIDE GFI RECEPTACLE, FACELESS GFI DEVICE FEEDING STANDARD RECEPTACLE, OR GFI CIRCUIT-BREAKER. THE GROUND-FAULT CIRCUIT-INTERRUPTER SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION.

PROVIDE WEATHER-RESISTANT RECEPTACLES FOR RECEPTACLES INSTALLED IN DAMP OR WET LOCATIONS.

PROVIDE HUBBELL RECEPTACLES WITH THE APPROPRIATE NEMA CONFIGURATION FOR RECEPTACLES SHOWN ON THE ELECTRICAL PLAN.

PROVIDE 6' CORD AND PLUG FOR SPECIAL-PURPOSE RECEPTACLES IF EQUIPMENT TO BE INSTALLED IS NOT SUPPLIED WITH A CORD AND PLUG.

PROVIDE FLOOR-MOUNTED DEVICE COVERS MOUNTED FLUSH WITH THE FINISHED FLOOR SURFACE.

PROVIDE WIRING DEVICES AS MANUFACTURED BY HUBBELL, PASS AND SEYMOUR, LEVITION, WATT-STOPPER, LUTRON OR EQUAL.

COORDINATE MOUNTING HEIGHTS OF SWITCHES, RECEPTACLES, PHONE OUTLETS, DATA OUTLETS, TV OUTLETS, AND LIGHT FIXTURES WITH ARCHITECTURAL DRAWINGS.

THE MOUNTING HEIGHT FOR DEVICES SHALL BE AS INDICATED BELOW, UNLESS OTHERWISE NOTED. MOUNTING HEIGHTS ARE TO CENTER OF DEVICE, UNLESS OTHERWISE NOTED. MATCH MOUNTING HEIGHT OF EXISTING DEVICES IF APPLICABLE.

- GENERAL RECEPTACLES (COMMERCIAL) @18" AFF
- ABOVE COUNTER RECEPTACLES AND SWITCHES @ 2" ABOVE COUNTER OR BACKSPLASH TO BOTTOM OF DEVICE (COORDINATE WITH ARCHITECT)
- LIGHT SWITCHES @ 44" AFF
- LIGHT SWITCHES IN BATHROOMS @ 44" AFF
- TELEPHONE OUTLETS @ 18" AFF
- TELEPHONE OUTLET (WALL MOUNTED) 44" AFF
- CLOCK OUTLETS @ 7'-6" AFF
- TV OUTLETS (COMMERCIAL) @ 18" AFF
- DATA/PHONE OUTLETS (COMMERCIAL) @ 18" AFF

PROVIDE "IN-USE" WEATHERPROOF COVER FOR EXTERIOR RECEPTACLES.

COMPLY WITH ADA STANDARDS FOR MOUNTING HEIGHTS AND LOCATIONS.

DEVICES IN THE SAME LOCATION AND AT THE SAME MOUNTING HEIGHT SHALL BE MOUNTED UNDER A COMMON WALL PLATE.

DISTRIBUTION EQUIPMENT

TERMINATIONS SHALL BE RATED 75°C MINIMUM CU/AL.

PROVIDE PANELS AND SWITCHBOARDS BUSSING AND FINGERS TO ACCOMMODATE BREAKERS OR SWITCHES IN ALL AVAILABLE SPACES.

PROVIDE A LISTED BREAKER-TIE OR MULTI-POLE BREAKER FOR EACH MULTIWIRE (SHARED NEUTRAL) BRANCH CIRCUIT.

PROVIDE DISTRIBUTION EQUIPMENT AS MANUFACTURED BY AMERICAN MIDWEST POWER, SQUARE D, ELECTRO-MECHANICAL INDUSTRIES, CUTLER-HAMMER, SIEMENS, ERICKSON ELECTRIC, GE OR METRON.

THE MOUNTING HEIGHT FOR DISTRIBUTION EQUIPMENT SHALL BE AS INDICATED BELOW, UNLESS OTHERWISE NOTED.

PANELS/LOADCENTERS - 6' AFF MAX TO CENTER OF TOP HANDLE
DISCONNECT SWITCHES - 6'-6" AFF MAX TO CENTER OF HANDLE

PROVIDE A TYPED PANEL SCHEDULE WITH LOAD DESCRIPTIONS FOR PANELS AFFECTED BY THIS PROJECT.

PROVIDE A PHENOLIC LABEL ON EACH NEW OR RENAMED PANEL INDICATING THE PANEL NAME.

IDENTIFICATION FOR ELECTRICAL SYSTEMS

PROVIDE IDENTIFICATION LABELS OR HANDWRITTEN TEXT USING INDELIBLE MARKER TO IDENTIFY CIRCUITS ENCLOSED IN BOXES.

USE IDENTIFICATION LABEL OR ENGRAVED FACEPLATE TO IDENTIFY BRANCH CIRCUITS FEEDING RECEPTACLES AND SWITCHES. PROVIDE IDENTIFICATION ON INSIDE SURFACE OF FACEPLATE FOR RECEPTACLES AND SWITCHES IN PUBLIC AREAS OR IN AREAS AS DIRECTED BY ARCHITECT OR OWNER.

USE IDENTIFICATION LABEL TO IDENTIFY RECEPTACLES PROTECTED BY UPSTREAM GFI PROTECTION.

LABEL CONDUCTORS AND CABLE WITH POWER SOURCE AND CIRCUIT NUMBER OR OTHER REQUIRED DESIGNATION. USE WRAP-AROUND SELF-ADHESIVE VINYL CLOTH, WRAP-AROUND SELF-ADHESIVE VINYL SELF-LAMINATING, HEAT-SHRINK SLEEVE, PLASTIC SLEEVE, PLASTIC CLIP-ON, OR VINYL SPLIT SLEEVE TYPE MARKERS SUITABLE FOR THE CONDUCTOR OR CABLE TO BE IDENTIFIED. USE FACTORY PRE-PRINTED OR MACHINE-PRINTED TEXT, ALL CAPITALIZED UNLESS OTHERWISE INDICATED.

IDENTIFY EAC

COMcheck Software Version 3.9.1

Interior Lighting Compliance Certificate

2009 IECC

Section 1: Project Information

Project Type: **Alteration**
Project Title : Neuro Clinic of Colorado LLC

Construction Site:
1400 South Potomac St
Suite #220
Aurora, CO 80012

Owner/Agent:

Designer/Contractor:
Kazin & Associates, Inc.
9364 Teddy Lane
Suite #101
Lone Tree, CO 80124
720-489-1609

Section 2: Interior Lighting and Power Calculation

A Area Category	B Floor Area (ft2)	C Allowed Watts / ft2	D Allowed Watts (B x C)
Healthcare-Clinic: Exempt			
		Total Allowed Watts =	N/A

Area Category Exemption Qualifications

Activity Area	Total Wattage Pre-Alt.	Total Wattage Post-Alt.	Total Pre-Alt. Fixtures	# Fixtures Repl./Added
Healthcare-Clinic (2002 sq.ft.): Exemption: Less than 50% fixture replacement.	2304	2242	24	10

Section 3: Interior Lighting Fixture Schedule

A Fixture ID : Description / Lamp / Wattage Per Lamp / Ballast	B Lamps/ Fixture	C # of Fixtures	D Fixture Watt.	E (C X D)
Healthcare-Clinic (2002 sq.ft.): Exempt				
			Total Proposed Watts =	N/A

Section 4: Requirements Checklist

Interior Lighting PASSES

Lighting Wattage:

✓ 1. Total proposed watts must be less than or equal to total allowed watts.

Allowed Watts	Proposed Watts	Complies
N/A	N/A	Passes

Controls, Switching, and Wiring:

❑ 2. Daylight zones under skylights more than 15 feet from the perimeter have lighting controls separate from daylight zones adjacent to vertical fenestration.

❑ 3. Daylight zones have individual lighting controls independent from that of the general area lighting.

Exceptions:

❑ Contiguous daylight zones spanning no more than two orientations are allowed to be controlled by a single controlling device.

❑ Daylight spaces enclosed by walls or ceiling height partitions and containing two or fewer light fixtures are not required to have a separate switch for general area lighting.

✓ 4. Independent controls for each space (switch/occupancy sensor).

Exceptions:

❑ Areas designated as security or emergency areas that must be continuously illuminated.

❑ Lighting in stairways or corridors that are elements of the means of egress.

❑ 5. Master switch at entry to hotel/motel guest room.

❑ 6. Individual dwelling units separately metered.

❑ 7. Medical task lighting or art/history display lighting claimed to be exempt from compliance has a control device independent of the control of the nonexempt lighting.

✓ 8. Each space required to have a manual control also allows for reducing the connected lighting load by at least 50 percent by either controlling all luminaires, dual switching of alternate rows of luminaires, alternate luminaires, or alternate lamps, switching the middle lamp luminaires independently of other lamps, or switching each luminaire or each lamp.

Exceptions:

✓ Only one luminaire in space.

✓ An occupant-sensing device controls the area.

✓ The area is a corridor, storeroom, restroom, public lobby or sleeping unit.

❑ Areas that use less than 0.6 Watts/sq.ft.

❑ 9. Automatic lighting shutoff control in buildings larger than 5,000 sq.ft.

Exceptions:

❑ Sleeping units, patient care areas; and spaces where automatic shutoff would endanger safety or security.

❑ 10. Photocell/astronomical time switch on exterior lights.

Exceptions:

❑ Lighting intended for 24 hour use.

❑ 11. Tandem wired one-lamp and three-lamp ballasted luminaires (No single-lamp ballasts).

Exceptions:

❑ Electronic high-frequency ballasts; Luminaires on emergency circuits or with no available pair.

Section 5: Compliance Statement

Compliance Statement: The proposed lighting alteration project represented in this document is consistent with the building plans, specifications and other calculations submitted with this permit application. The proposed lighting alteration project has been designed to meet the 2009 IECC, Chapter 8, requirements in COM*check* Version 3.9.1 and to comply with the mandatory requirements in the Requirements Checklist.

Bryan Kazin — Name - Title
Signature
7/8/13 — Date

LIGHTING FIXTURE SCHEDULE

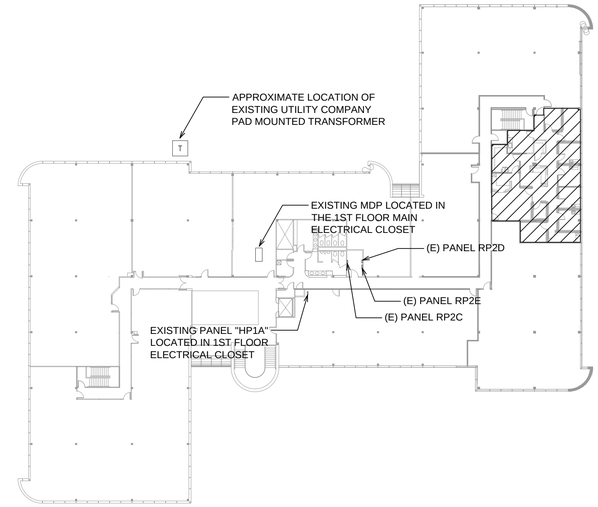
PREPARED BY KAZIN & ASSOCIATES

DESCRIPTION OF LUMINAIRE				LUMINAIRE SPECIFICATION			
ID	DESCRIPTION	FINISH	MOUNTING INFO	MANUFACTURER	CATALOG NUMBER	LAMP(S)	VOLTAGE
A	2'X2' RECESSED FLUORESCENT	WHITE	RECESSED	COLUMBIA	ST822-217G-FSA12-EU	(2) F17T8	277
B	RECESSED DOWNLIGHT	ALZAK	RECESSED	PRESCOLITE	LC6LED 277 DM 6LCLED 635K8WH B24	(1) 24W, 1400 LUMEN LED	277

NOTES:
1. PROVIDE FLUORESCENT LAMPS RATED 3500K, 85CRI, AND ALL MADE BY THE SAME MANUFACTURER.
2. PROVIDE INTEGRAL DISCONNECT FOR EACH DOUBLE-ENDED FLUORESCENT FIXTURE TO DISCONNECT THE BALLAST FROM THE LAMP SOCKET.
3. PROVIDED HANGERS, ADAPTERS, INSTALLATION KITS, PARTS AND PIECES TO INSTALL THE SPECIFIED FIXTURE IN THE LOCATIONS SHOWN ON THE PLAN.
4. PROVIDE TWO BALLASTS MINIMUM OR STEP-DIMMING BALLAST FOR FLUORESCENT FIXTURES REQUIRED TO HAVE DUAL-LEVEL SWITCHING.
5. PROVIDE PROGRAMMED START BALLASTS FOR FLUORESCENT FIXTURES.

EXIT AND EMERGENCY LIGHTING FIXTURE SCHEDULE

DESCRIPTION OF LUMINAIRE				LUMINAIRE SPECIFICATION			
SYMBOL	DESCRIPTION	FINISH	MOUNTING INFO	MANUFACTURER	CATALOG NUMBER	LAMP(S)	VOLTAGE
	EXIT LIGHT (UNIVERSAL)	WHITE	SEE PLAN	EXITRONIX	GTEM-WB-WH-G2 (ADD "R" IF POWERING REMOTE HEADS)	LED	120/277 INPUT
	EXIT/EM LIGHT (UNIVERSAL)	WHITE	SEE PLAN	EXITRONIX	GVLED-U-BP-WH-EL90-G2 (ADD "R" IF POWERING REMOTE HEADS)	LED + (2) 1.1W LED HEADS	120/277 INPUT
	EMERGENCY LIGHT	WHITE	SEE PLAN	EXITRONIX	LED90-G2 OR (ADD "R" IF POWERING REMOTE HEADS)	(2) 1.1W LED LAMPS	120/277 INPUT



1 KEY PLAN
SCALE: 1/32" = 1'-0"

ONE-LINE DIAGRAM PROVIDED FOR REFERENCE ONLY - NO NEW BREAKERS OR ADDITIONAL LOAD HAS BEEN ADDED TO ANY PANELS

FAULT CURRENT CALCULATIONS (TRANSFORMER SECONDARY)

LOCATION DESCRIPTION	TRANSFORMER kVA	%Z	SECONDARY VOLTAGE	PHASE	ISC AT SECONDARY
@ SECONDARY OF 75KVA XFMR	75	3.7	208	1.73	5,633

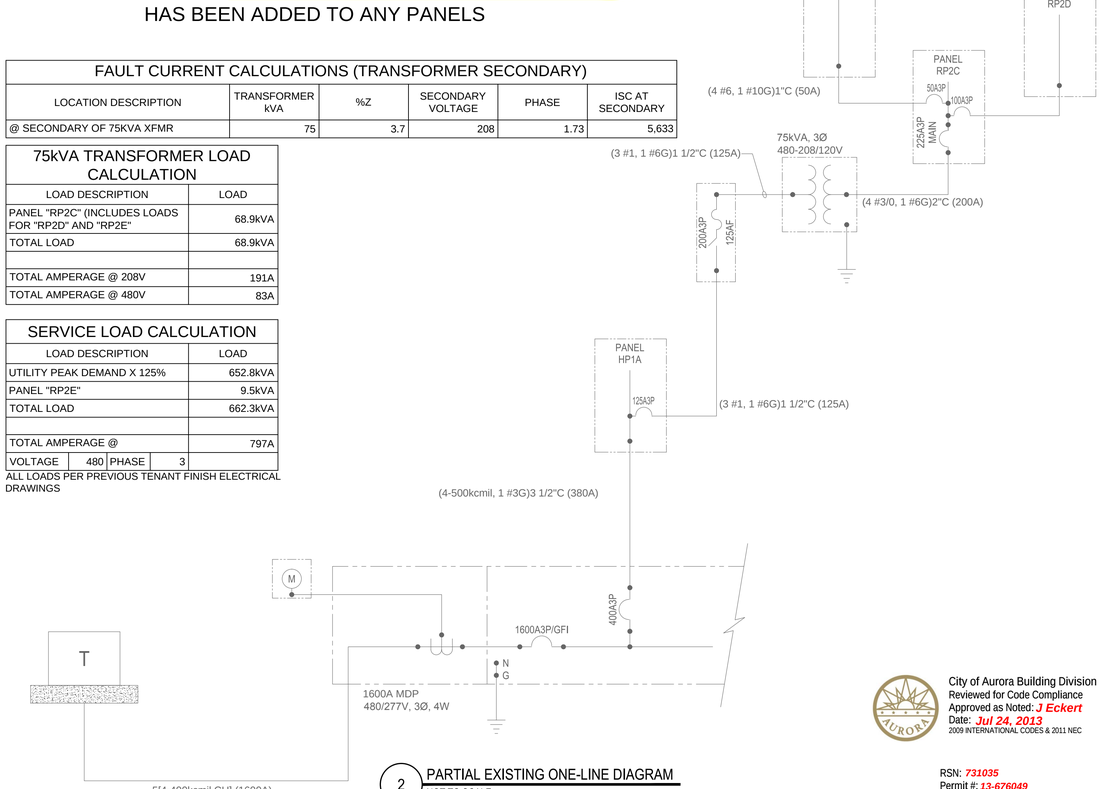
75kVA TRANSFORMER LOAD CALCULATION

LOAD DESCRIPTION	LOAD
PANEL "RP2C" (INCLUDES LOADS FOR "RP2D" AND "RP2E"	68.9kVA
TOTAL LOAD	68.9kVA
TOTAL AMPERAGE @ 208V	191A
TOTAL AMPERAGE @ 480V	83A

SERVICE LOAD CALCULATION

LOAD DESCRIPTION				LOAD
UTILITY PEAK DEMAND X 125%				652.8kVA
PANEL "RP2E"				9.5kVA
TOTAL LOAD				662.3kVA
TOTAL AMPERAGE @				797A
VOLTAGE	480	PHASE	3	

ALL LOADS PER PREVIOUS TENANT ELECTRICAL DRAWINGS



2 PARTIAL EXISTING ONE-LINE DIAGRAM
NOT TO SCALE

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *J Eckert*
Date: *Jul 24, 2013*
2009 INTERNATIONAL CODES & 2011 NEC

RSN: *731035*
Permit #: *13-676049*

Kazin & Associates
Consulting Electrical Engineers
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Village Square at Lone Tree
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P (720) 489-1609 Fax (720) 489-1611
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Project Number: 13232

COLORADO BRYAN KAZIN 36628 7/8/13 PROFESSIONAL ENGINEER

NOT ISSUED FOR CONSTRUCTION UNLESS SIGNED THICK-STAMPED SEAL IN BLUE INK OR DIGITALLY SIGNED BY BRYAN KAZIN. LIMITED TO ELECTRICAL.

NEURO CLINIC OF COLORADO LLC
1400 SOUTH POTOMAC STREET
AURORA, COLORADO 80012
LEVEL TWO SUITE 220

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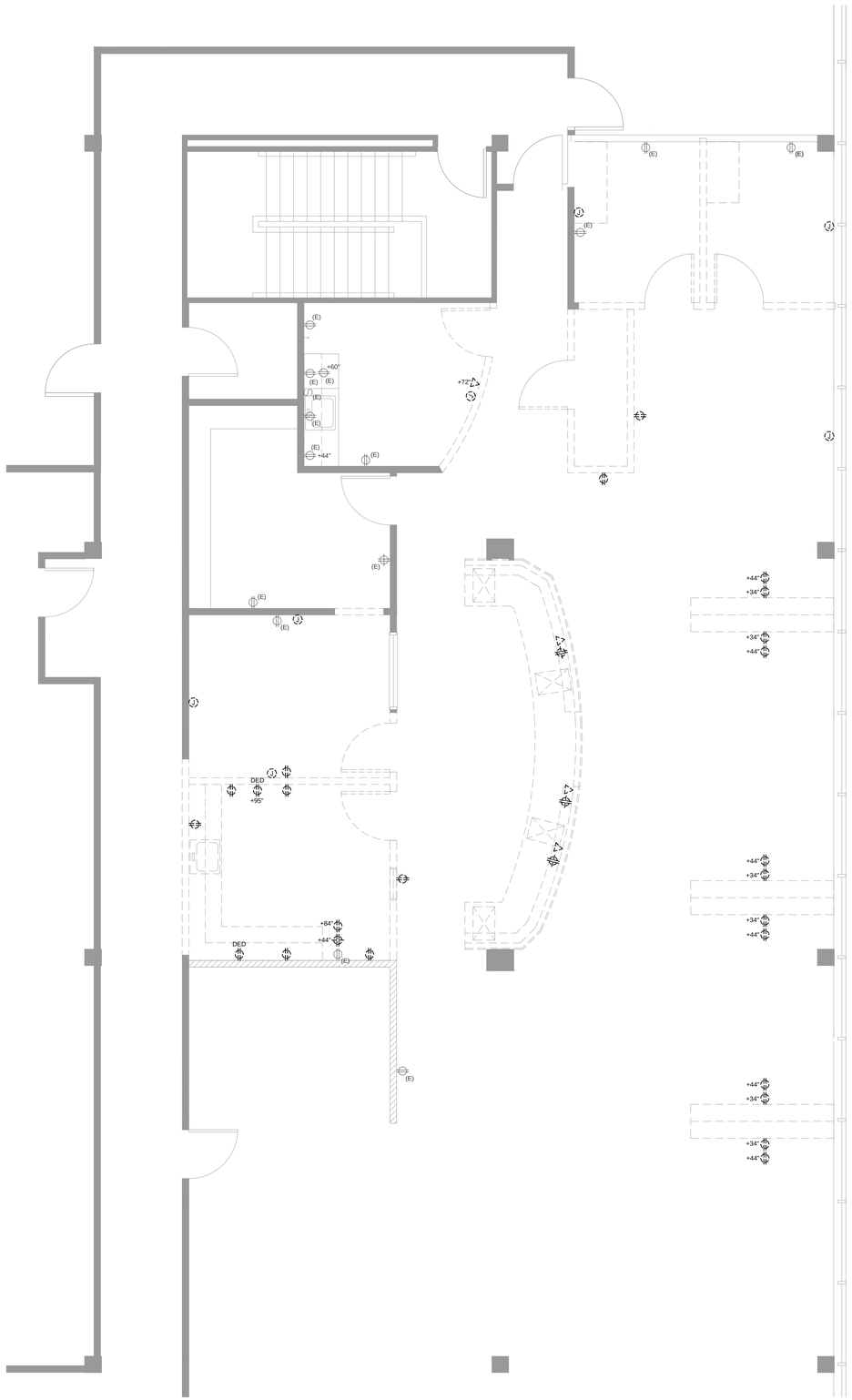
ISSUED FOR:

PERMIT/CONST	7.08.13

PROJECT NO.: POB-205
DRAWN BY:

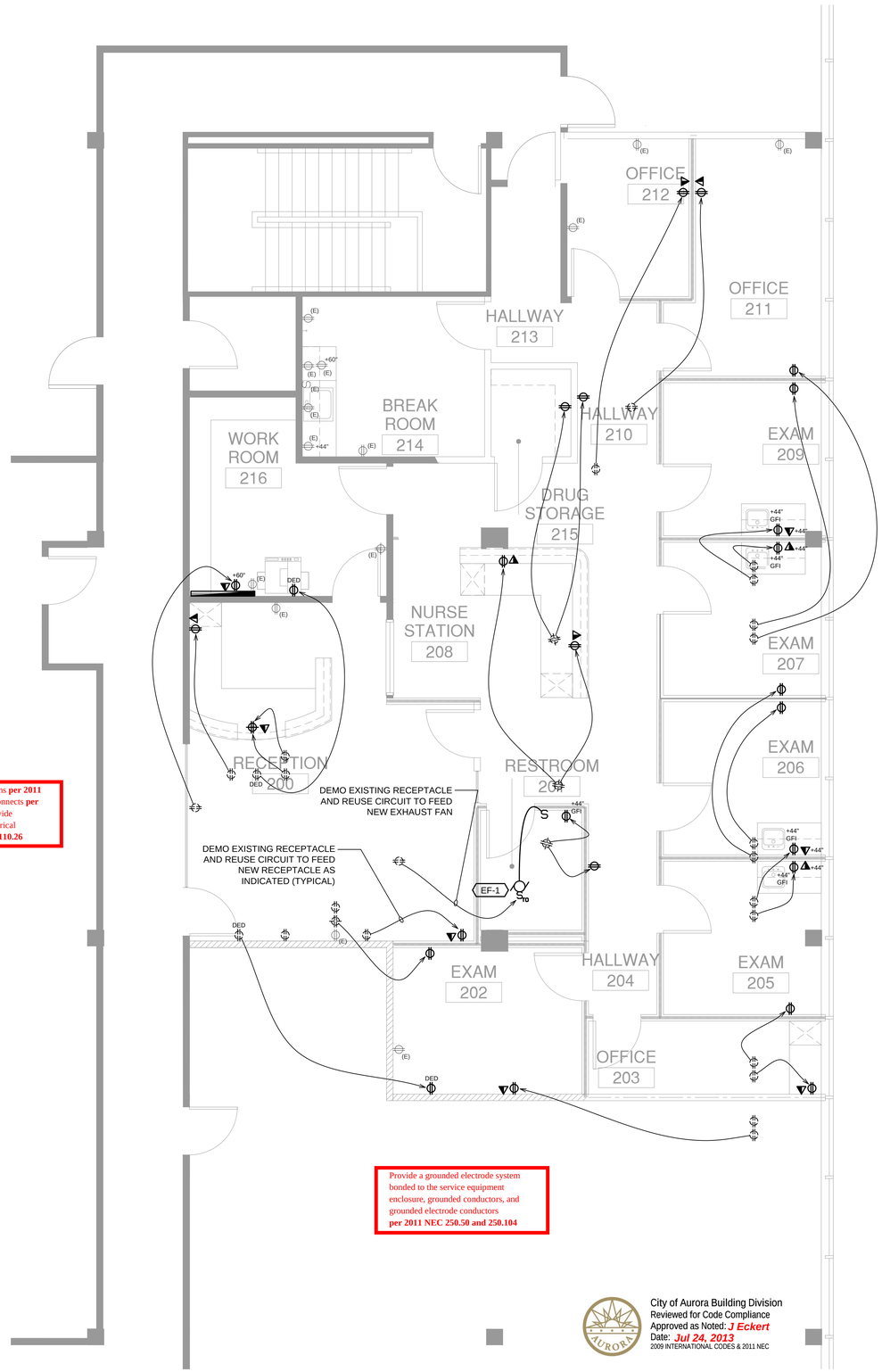
TITLE:
ONE–LINE DIAGRAM & SCHEDULES

SHEET NO:
E0.2



1 EXISTING/DEMO POWER PLAN
SCALE: 1/4" = 1'-0"

Install electrical connections **per 2011 NEC 110.14,** identify disconnects **per 2011 NEC 110.22** and provide working space around electrical equipment **per 2011 NEC 110.26**



Provide a grounded electrode system bonded to the service equipment enclosure, grounded conductors, and grounded electrode conductors **per 2011 NEC 250.50 and 250.104**

2 POWER PLAN
SCALE: 1/4" = 1'-0"

City of Aurora Building Division
Reviewed for Code Compliance
Approved as Noted: *J Eckert*
Date: *Jul 24, 2013*
2009 INTERNATIONAL CODES & 2011 NEC

RSN: *731035*
Permit #: *13-676049*

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Project Number: 13232

COLORADO REGISTERED BRYAN KAZIN 36628 7/8/13 PROFESSIONAL ENGINEER

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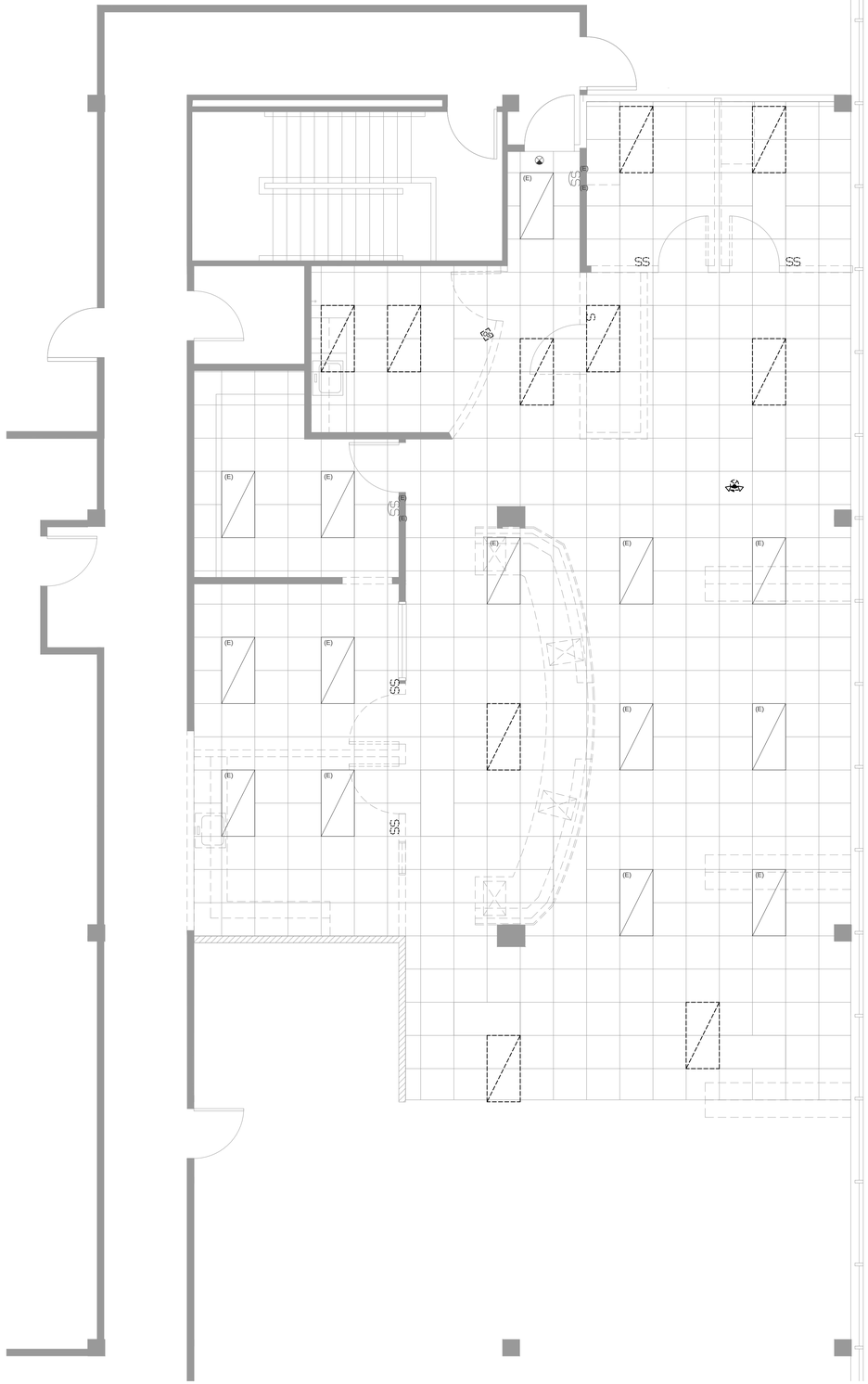
ISSUED FOR:

PERMIT/CONST	7.08.13

PROJECT NO.: POB-205
DRAWN BY:

TITLE:
POWER PLANS

SHEET NO:
E1.1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